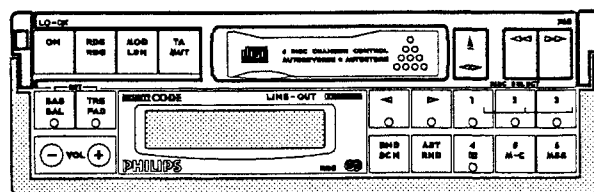


Service
Service
Service



For repair information of the Cassette Deck see Service
Manual of Auto Cassette Deck P6-25/2 for 22DC730
P6-25/3 for 22DC740

Service Manual

12 V

Contents

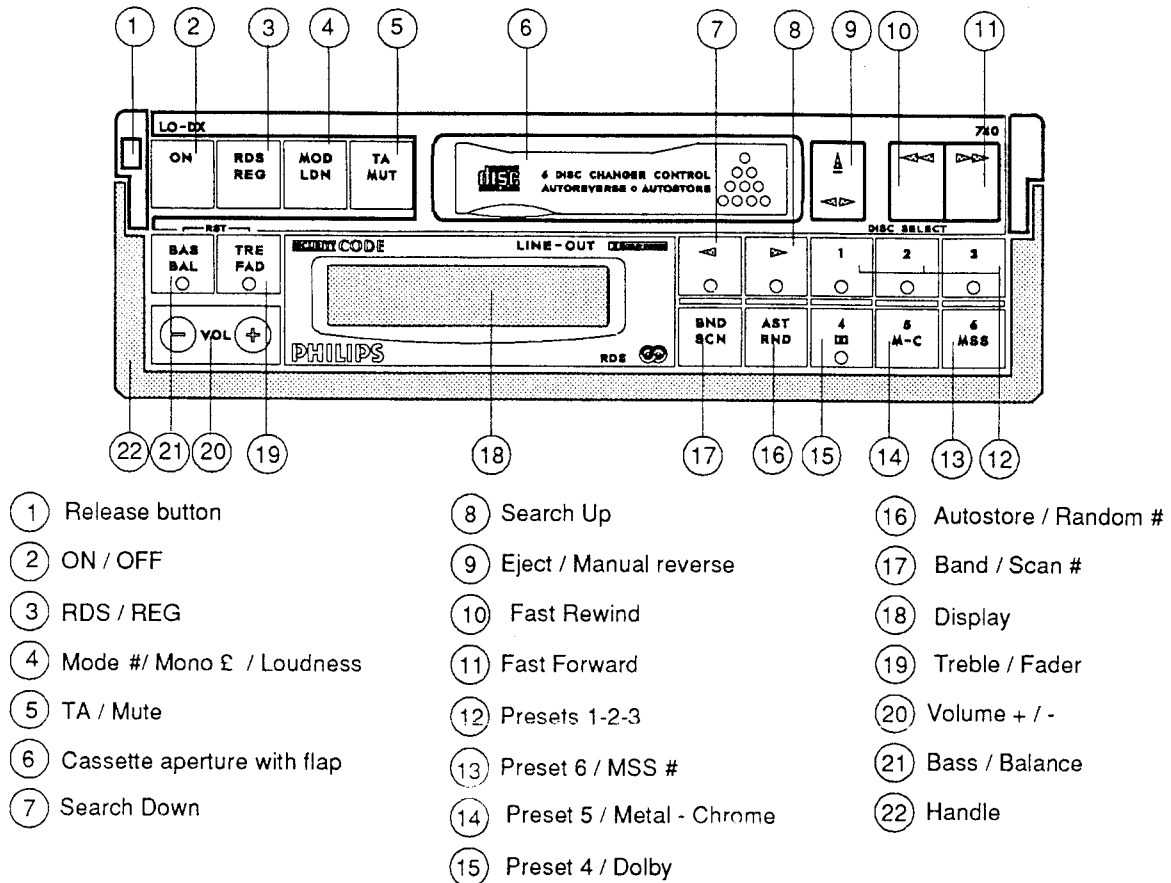
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PHILIPS

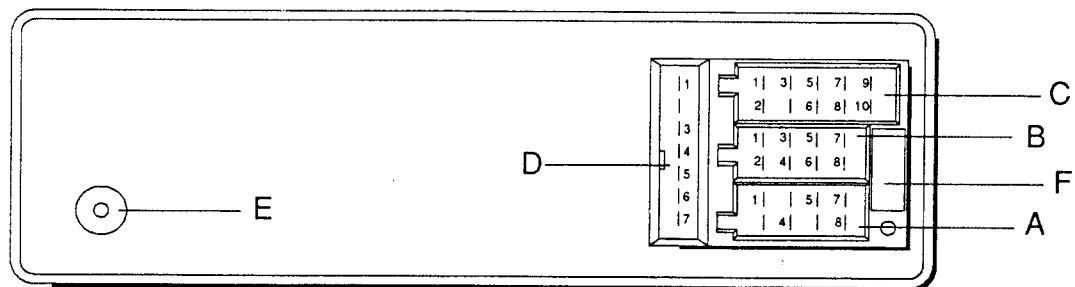
CONTROLS



: For 22DC740/00R only

£ : For 22DC730/00R only

REAR VIEW

**A : POWER SUPPLY**

- A1 Telephone mute
- A4 Permanent Plus
- A5 Switched Plus aerial
- A7 Switched Plus
- A8 Ground

E : AERIAL PLUG

F : FUSE : 10 A #
5 A £

B : LOUDSPEAKERS

- B1 Rear right
- B2 Rear right ground
- B3 Front Right
- B4 Front Right ground
- B5 Front Left
- B6 Front Left ground
- B7 Rear left
- B8 Rear left ground

C : CD CHANGER #

- C1 Bus ground
- C2 Clock
- C3 Data
- C5 Switched Plus
- C6 Ground
- C7 Switched Plus aerial
- C8 Line in right
- C9 Line in left
- C10 Line in ground

D : LINE OUT

- D1 Booster command
- D3 Line out ground
- D4 Front right
- D5 Rear right
- D6 Front left
- D7 Rear left

TECHNICAL DATA

GENERAL

Power supply : 14.4V DC
Dimensions : 180x160x51 mm
Retractable unit : 22 EA 6030

RADIO

LW : 144-288 KHz
MW : 531-1611 KHz
FM : 87.5-108 MHz
IF-AM : 10.7 MHz
IF-FM : 10.7 MHz
Sensitivity 26dB S/R : 40 μ V (LW)
: 35 μ V (MW)
: 3 μ V (FM)
Limitation α -3dB : 8 to 25 μ V

CASSETTE

Cassette mechanism : P6-25/2 £
: P6-25/3 #
Number of tracks : 2x2
Tape speed : 4.76 cm/sec
Wow and flutter : $\leq 0.35\%$
Crosstalk : ≥ 32 dB

AMPLIFIER

Output power : 4 X 5W – 2 X 16W / 4 Ω £
(D = 10%) : 4 X 15W / 4 Ω #
Line Out voltage : 75 mV
CD Input sensitivity # : 75 mV
Loudness : +10 \pm 2 dB at 100 Hz
: +1 \pm 1 dB at 1 KHz
: +3 \pm 1 dB at 10 KHz
Tone control
Bass : +14 / -11 \pm 2 dB at 60 Hz
: +12 / -8 \pm 2 dB at 100 Hz
: +6 / -3 \pm 2 dB at 250 Hz
Treble : +4 / -4 \pm 2 dB at 3 KHz
: +10 / -10 \pm 2 dB at 10 KHz

£ : 22DC730/00R

: 22DC740/00R

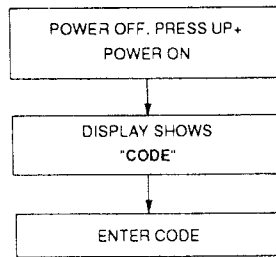
ESD



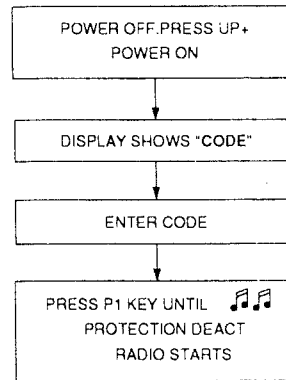
WARNING

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.
When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools also at this potential.

ACTIVATING PROTECTION

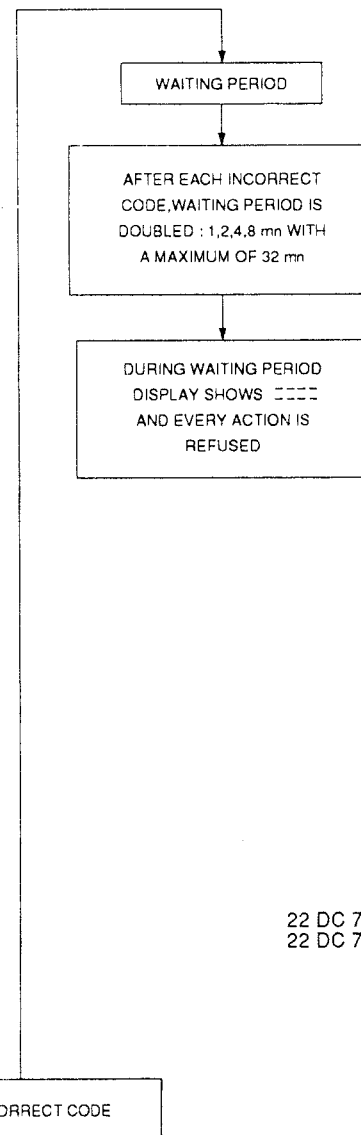
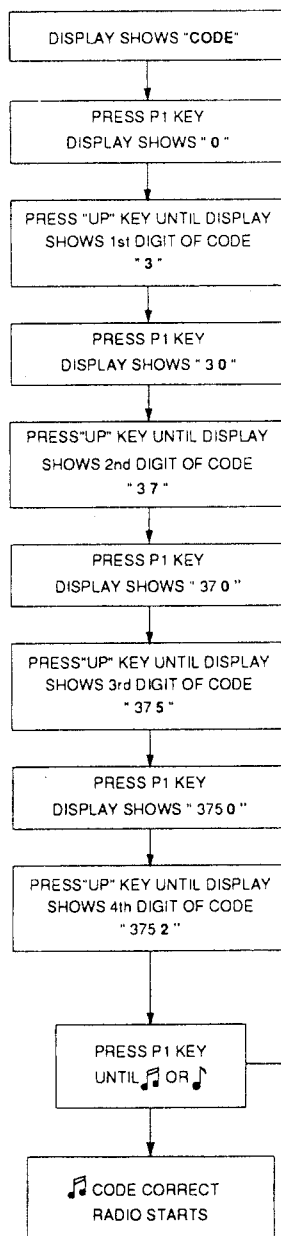


DEACTIVATING PROTECTION



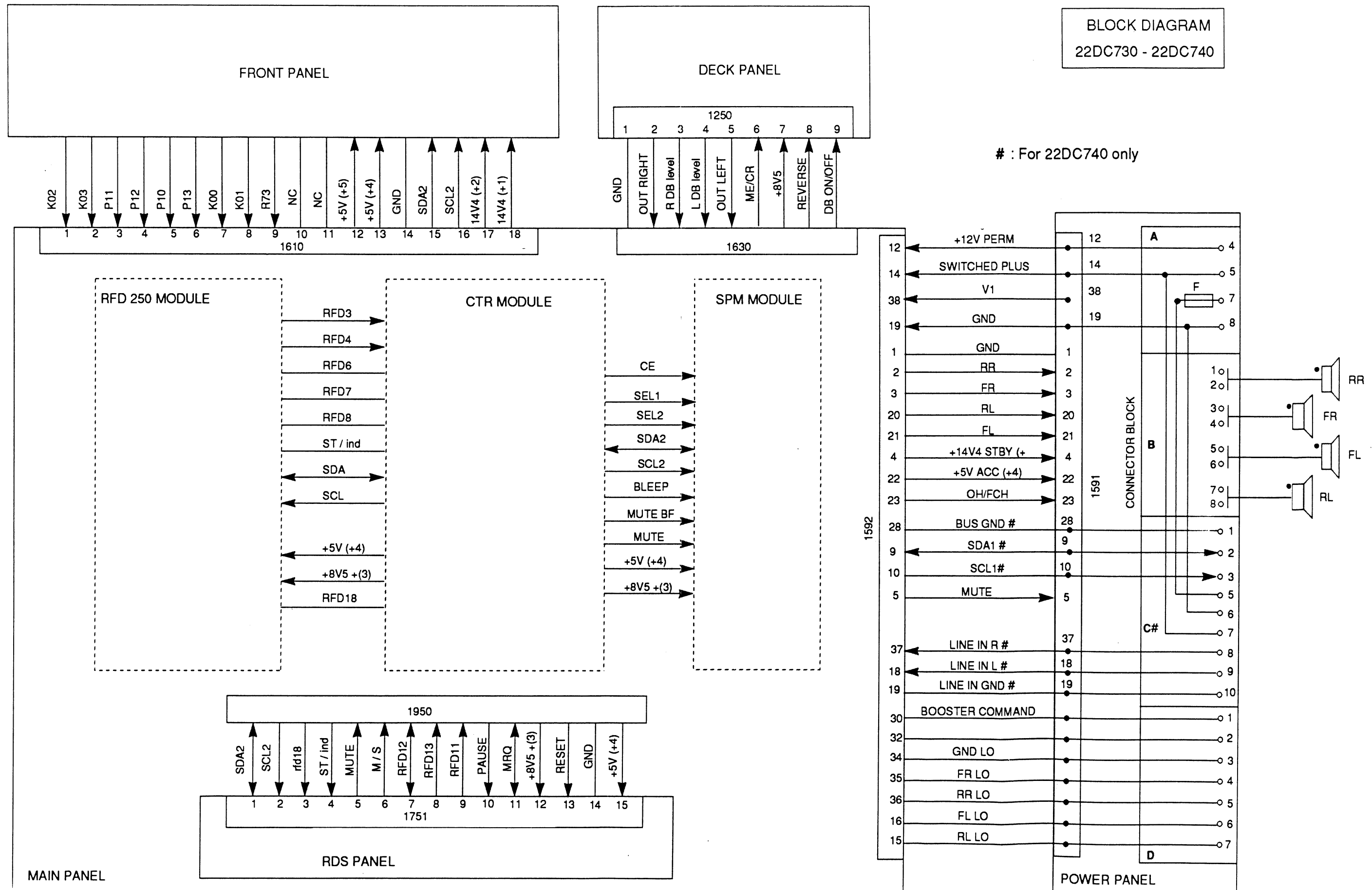
ENTERING A CODE

Example : 3752



22 DC 730 / 00R
22 DC 740 / 00R

BLOCK DIAGRAM
22DC730 - 22DC740



For checking and adjusting see general procedures

22 DC730/00R ...740/00R

DC VOLTAGES

Check	SK				Setting of controls		
Demodulated FM levels	FM	98 MHz 1 mV $\Delta f = 22.5$ KHz f mod = 1 KHz					200 mV \pm 1 dB
		98 MHz 1 mV $\Delta f = 6.75$ KHz f mod = 19 KHz					60 mV \pm 1 dB
		98 MHz 1 mV $\Delta f = 3.75$ KHz f mod = 57 KHz					32 mV \pm 2 dB
Demodulated AM level	MW	1053 KHz 1 mV 1 KHz, 30% AM					250 mV \leq
VC FM	FM			87.5 MHz			> 1.0 V
				108 MHz			< 6.5 V
VC AM	LW			144 KHz			> 0.8 V
	MW			1611 KHz			< 6.5 V
FM limiting Sensivity	FM	93 MHz 15 μ V $\Delta f = 22.5$ KHz f mod = 1 KHz					1.6V DC \pm 0.1 V
FM Mute	FM	93 MHz 1mV					0 dB (775 mV)
		No signal					< -16 dB
Oscillator voltage	FM			98 MHz			> 20 mV
	AM			1053 KHz			> 30 mV

Adjustment	SK					
Quad detector	FM	93 MHz 40 μ V		P2 93 MHz	5150	DC between 11 and 15 of 7150 \leq 200 mV
FM limiting sensivity	FM	93 MHz 15 μ V $\Delta f = 22.5$ KHz f mod = 1 KHz		P2 93 MHz	3155	
Search level AM	MW	990 KHz 125 μ V unmodulated		P1 990 KHz	3157	

RDS Module

1 = 5.0 V SDA2
2 = 5.0 V SCL2
3 = 3.6 V
4 = 5.0 V
5 = 0.0 V
6 = 5.0 V
7 = 4.9 V SDA
8 = 4.9 V SCL
9 = 0.0 V
10 = 5.0 V Pause
11 = 5.0 V
12 = 8.5 V
13 = 5.0 V
14 = GND
15 = 5.0 V

7210 TDA 1591

1 = 4.8 V
2 = 4.3 V
3 = GND
4 = 3.0 V
5 = 8.4 V
6 = 2.3 V
7 = 2.2 V FM - 0.0 V AM
8 = 5.0 V
9 = 3.8 V
10 = 3.8 V
11 = 3.8 V
12 = 3.8 V
13 = 3.8 V
14 = 3.8 V
15 = 4.1 V
16 = 4.1 V
17 = 4.3 V
18 = 5.0 V
19 = 3.8 V
20 = 3.0 V

7050 TEA6200

1 = 6.8 V AM
2 = 4.0 V AM
3 = 8.3 V AM
4 = 8.3 V AM
5 = 8.3 V AM
6 = 8.3 V AM
7 = 0.7 V AM
8 = 4.1 V AM
9 = 4.1 V AM
10 = 4.1 V AM
11 = 6.8 V AM
12 = 1.5 - 3.0 V Search
13 = 4.9 V AM
14 = 8.4 V AM / 0.2 V FM
15 = 4.8 V AM
16 = 4.8 V AM
17 = GND
18 = 1.0 V AM
19 = 1.3 V AM
20 = 3.2 V AM

7150 TEA 6100 / N3

1 = 8.3 V
2 = 0.7 V
3 = 2.7 V
4 = 0 V
5 = 0.3 V
6 = 40 KHz
7 = GND
8 = 8.4 V
9 = 4.9 V SCL
10 = 4.9 V SDA
11 = 4.2 V
12 = 4.6 V
13 = 4.6 V
14 = 2.5 V
15 = 4.3 V
16 = 2.9 V
17 = 2.9 V
18 = 2.9 V
19 = 2.9 V
20 = GND

7180 TSA6057 / C5

1 = 4 MHz
2 = 4 MHz
3 = 4.8 V
4 = GND
5 = 1.9 V
6 = 1.9 V
7 = 1.9 V
8 = 0.2 V FM
8.3 V AM
9 = 40 KHz
10 = 4.8 V SDA
11 = 4.8 V SCL
12 = GND
13 = 1.3 V - 5.8 V FM
14 = 2.1 V
15 = 2.3 V - 4 V AM
16 = 8.3 V

TUNER Module

1 = GND
2 = 0.0 V
3 = GND
4 = 0.0 V
5 = 1.8 V
6 = 8.5 V
7 = 1.5 V
8 = 1.5 V
9 = GND
10 = 1.8 V
11 = 0.0 V
12 = 0.3 V
13 = 1.9 V

7370 HEF 4052

1 = 3.8 V
2 = 3.8 V
3 = 3.8 V Cas / Rad
4 = 3.8 V
5 = 0 V
6 = 0 V
7 = GND
8 = GND
9 = 8.5 V
10 = 8.5 V
11 = 3.8 V
12 = 3.8 V
13 = 3.4 V Cas / Rad
14 = 0 V
15 = 8.6 V
16 = 8.6 V

7620 TEA 6310

1 = 5.0 SDA 2
2 = GND
3 = 4.3 V
4 = 4.3 V
5 = 4.3 V
6 = 4.3 V
7 = 4.3 V
8 = N.C.
9 = 8.5 V
10 = 8 V
11 = 8.5 V
12 = N.C.
13 = N.C.
14 = 4.3 V
15 = 4.3 V
16 = N.C.
17 = N.C.
18 = GND
19 = N.C.
20 = 4.3 V
21 = N.C.
22 = 4.3 V
23 = 4.3 V
24 = 4.3 V
25 = 4.3 V
26 = 4.3 V
27 = 8.5 V
28 = 5.0 SCL 2

7630 L 4918

1 = 14.0 V
2 = 2.6 V
3 = GND
4 = GND
5 = 8.5 V

7631 L 4904

1 = 12.6 V
2 = 14.4 V
3 = 5.6 V
4 = GND
5 = N.C.
6 = 4.3 V
7 = 5.0 V
8 = 5.0 V

7650 LA2000

1 = 2.0 V
2 = 8.3 V
3 = 2.0 V
4 = N.C.
5 = GND
6 = 5.0 V
7 = N.C.
8 = N.C.
9 = 8.5 V

7820 74HC107

1 = 4.8 V SCL1
2 = 5.0 V
3 = N.C.
4 = 4.8 V SCL1
5 = N.C.
6 = 5.0 V
7 = GND
8 = 4.8 V SCL1
9 = 0.0 V
10 = 5.0 V
11 = 4.8 V SCL1V
12 = 4.8 V SDA1
13 = 5.0 V
14 = 5.0 V

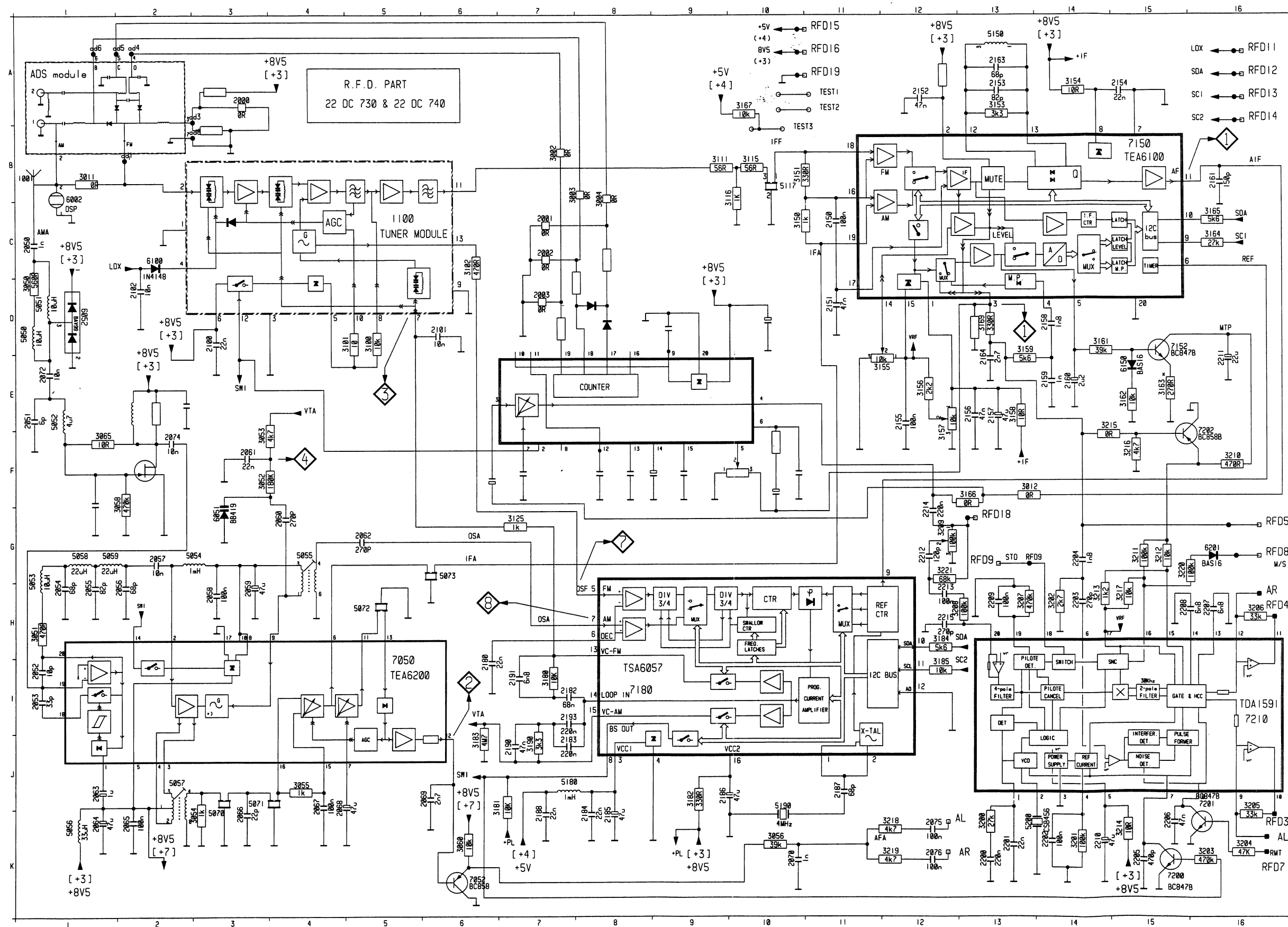
7840 ST24C04B6.

1 = GND
2 = GND
3 = GND
4 = GND
5 = 4.8 V SDA
6 = 4.8 V SCL
7 = GND
8 = 5 V

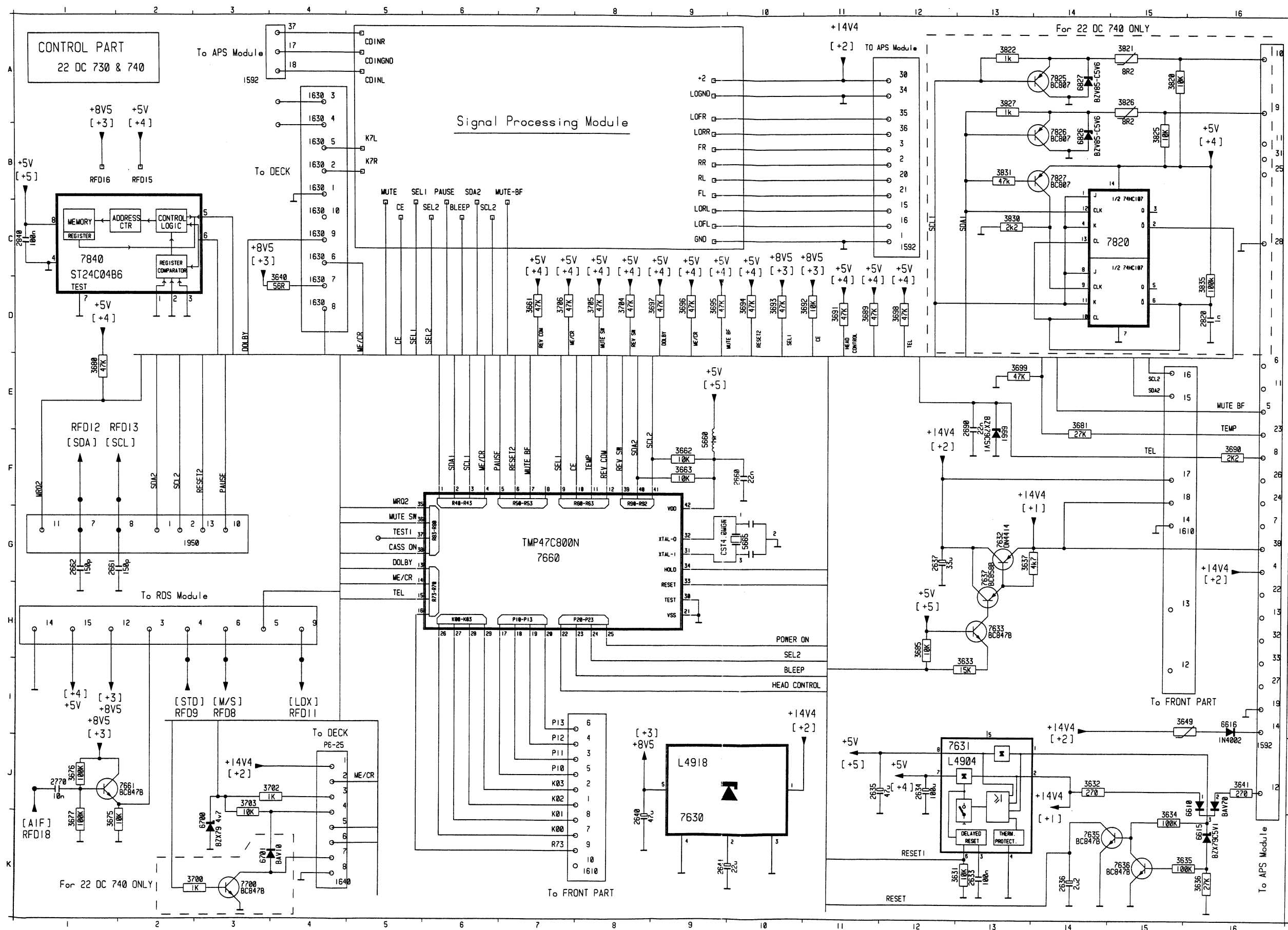
7660 TMP 47 C 800 N.

1 = 5.0 V
2 = 4.8 V SDA1
3 = 4.8 V SCL1
4 = 0.0 V
5 = 5.0 V, 0.0 V Pause
6 = 5.0 V
7 = 0.0 V, 2.6 V Mute
8 = N.C.
9 = 8.5 V
10 = 0.0 V
11 = 0.0 V
12 = 5.0 V Cas >, 0.0 V Cas <
13 = 0.0 V, 5.0 V Dolby
14 = 0.0 V, 5.0 V CR
15 = 4.0 V
16 = KEYB. 1
17 = KEYB. A
18 = KEYB. B
19 = KEYB. C
20 = KEYB. D
21 = GND
22 = 0.8 V
23 = 5.0 V Beep
24 = 8.5 V Rad, 0.0 V Cas
25 = 5.0 V On, 0.0 V Off
26 = KEYB. 2
27 = KEYB. 3
28 = KEYB. 4
29 = KEYB. 5
30 = GND
31 = 4 MHz
32 = 4 MHz
33 = 5.0 V Reset
34 = 4.2 V Hold
35 = 5.0 V
36 = 5.0 V Rad, 0.0 V Cas
37 = N.C.
38 = 0.0 V, 4.0 V Cas on
39 = 0.0 V Cas >, 5.0 V Cas <
40 = 4.9 V SDA2
41 = 4.9 V SCL2
42 = 5.0 V

22 DC 730 / 740 / 00 R



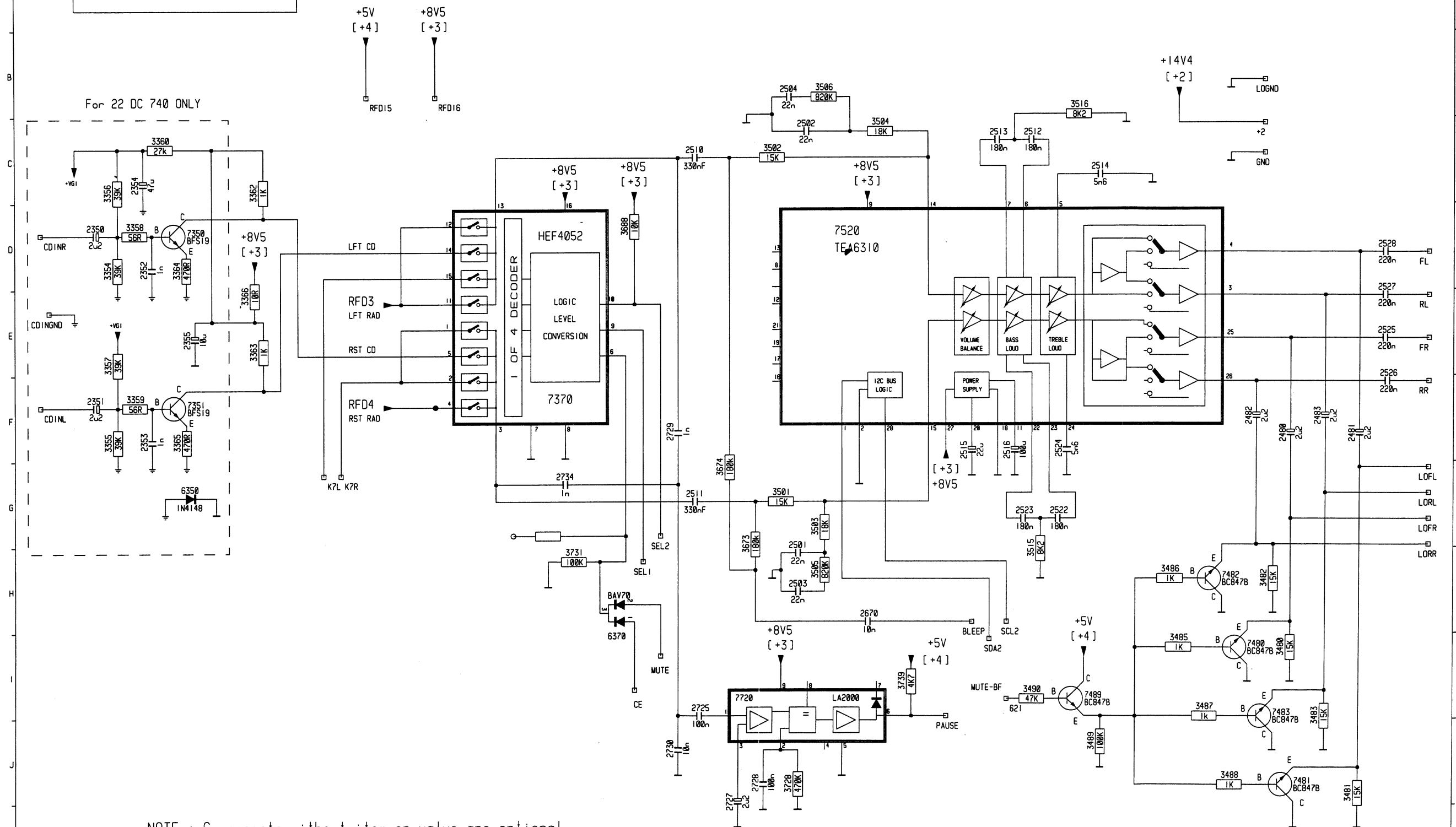
A	1100	C 5	3011	B 1	5070	K 3
	2000	A 3	3012	F13	5071	J 3
	2001	C 7	3050	D 1	5072	H 5
	2002	C 7	3051	H 1	5073	G 6
	2003	D 7	3052	F 3	5117	B10
	2050	C 1	3053	F 3	5150	A13
	2051	E 1	3054	K 3	5180	J 7
	2052	I 1	3055	J 4	5190	J10
	2053	I 1	3056	K10	5200	K13
	2054	H 1	3058	F 2	6002	B 1
B	2055	H 1	3059	E 2	6051	G 3
	2056	H 2	3060	K 6	6052	D 1
	2057	G 2	3065	F 1	6100	C 2
	2058	H 3	3100	D 5	6150	E15
	2059	H 3	3101	D 5	6201	G16
	2060	G 4	3102	C 6	7050	I 5
	2061	F 3	3111	B 9	7051	F 2
	2062	G 5	3115	B10	7052	K 6
	2063	J 1	3116	B10	7150	B15
	2064	K 1	3125	G 7	7152	D15
C	2065	K 2	3150	C10	7180	I 8
	2066	K 3	3151	B10	7200	K15
	2067	J 4	3152	A12	7201	J16
	2068	J 4	3153	A13	7202	F16
	2069	J 6	3154	A14	7210	I16
	2070	K10	3155	E12		
	2072	E 1	3156	E12		
	2073	F 1	3157	F12		
	2074	F 2	3158	E13		
	2075	K12	3159	D13		
D	2076	K12	3160	D13		
	2080	E 2	3161	D14		
	2100	D 3	3162	E15		
	2101	D 6	3163	E15		
	2102	D 2	3164	C16		
	2150	C11	3165	C16		
	2151	D11	3166	F13		
	2152	A12	3167	A10		
	2153	A13	3169	D13		
	2154	A15	3180	I 7		
E	2155	E12	3181	J 6		
	2156	E13	3182	J 9		
	2157	E13	3183	J 6		
	2158	D14	3184	H12		
	2159	E14	3185	I12		
	2160	E14	3190	J 7		
	2161	B16	3200	K13		
	2163	A13	3201	K14		
	2164	E13	3202	H14		
	2180	I 6	3203	K16		
F	2182	I 7	3204	K16		
	2183	J 7	3205	J16		
	2184	K 8	3206	H16		
	2185	K 8	3207	H13		
	2186	J 9	3208	H12		
	2187	J11	3209	G12		
	2188	K 7	3210	F16		
	2190	J 7	3211	G15		
	2191	I 7	3212	G15		
	2193	I 7	3213	H14		
G	2200	K13	3214	K15		
	2201	K13	3215	E14		
	2202	K14	3216	F15		
	2203	H14	3217	H15		
	2204	G14	3218	K12		
	2205	K15	3219	K12		
	2206	K15	3220	G15		
	2207	H16	3221	G12		
	2208	H15	5050	D 1		
	2209	H13	5051	D 1		
H	2210	K14	5052	E 1		
	2211	E16	5053	G 1		
	2212	G12	5054	G 3		
	2213	H12	5055	G 4		
	2214	G12	5056	K 1		
	2215	H12	5057	J 2		
	3002	B 7	5058	G 1		
	3003	B 7	5059	G 1		
	3004	B 8	5062	E 2		



2633	K13	7700	K 3
2634	J12	7820	C14
2635	J11	7825	A14
2636	K14	7826	B14
2637	G12	7827	B14
2640	K 8	7840	C 1
2641	K 9		
2660	F10		
2661	G 1		
2662	G 1		
2690	E13		
2770	J 1		
2820	D16		
2840	C 1		
3631	K13		
3632	J14		
3633	I13		
3634	K15		
3635	K16		
3636	K16		
3637	G13		
3640	D 4		
3641	J16		
3649	I16		
3661	D 7		
3662	F 9		
3663	F 9		
3675	K 1		
3676	J 1		
3677	K 1		
3680	E 1		
3681	F14		
3685	H12		
3689	D11		
3690	F16		
3691	D11		
3692	D11		
3693	D10		
3694	D10		
3695	D 9		
3696	D 9		
3697	D 9		
3698	D12		
3699	E13		
3700	K 3		
3702	J 4		
3703	J 3		
3704	D 8		
3705	D 8		
3706	D 7		
3820	A15		
3821	A15		
3822	A13		
3825	B15		
3826	A15		
3827	A13		
3830	C13		
3831	B13		
3835	D16		
5660	F 9		
5665	G10		
6610	K16		
6615	K16		
6616	I16		
6661	F13		
6700	K 3		
6701	K 3		
6826	B14		
6827	A14		
7630	K 9		
7631	J12		
7632	G13		
7633	H13		
7635	K14		
7636	K15		
7637	H13		
7660	G 7		
7661	J 2		

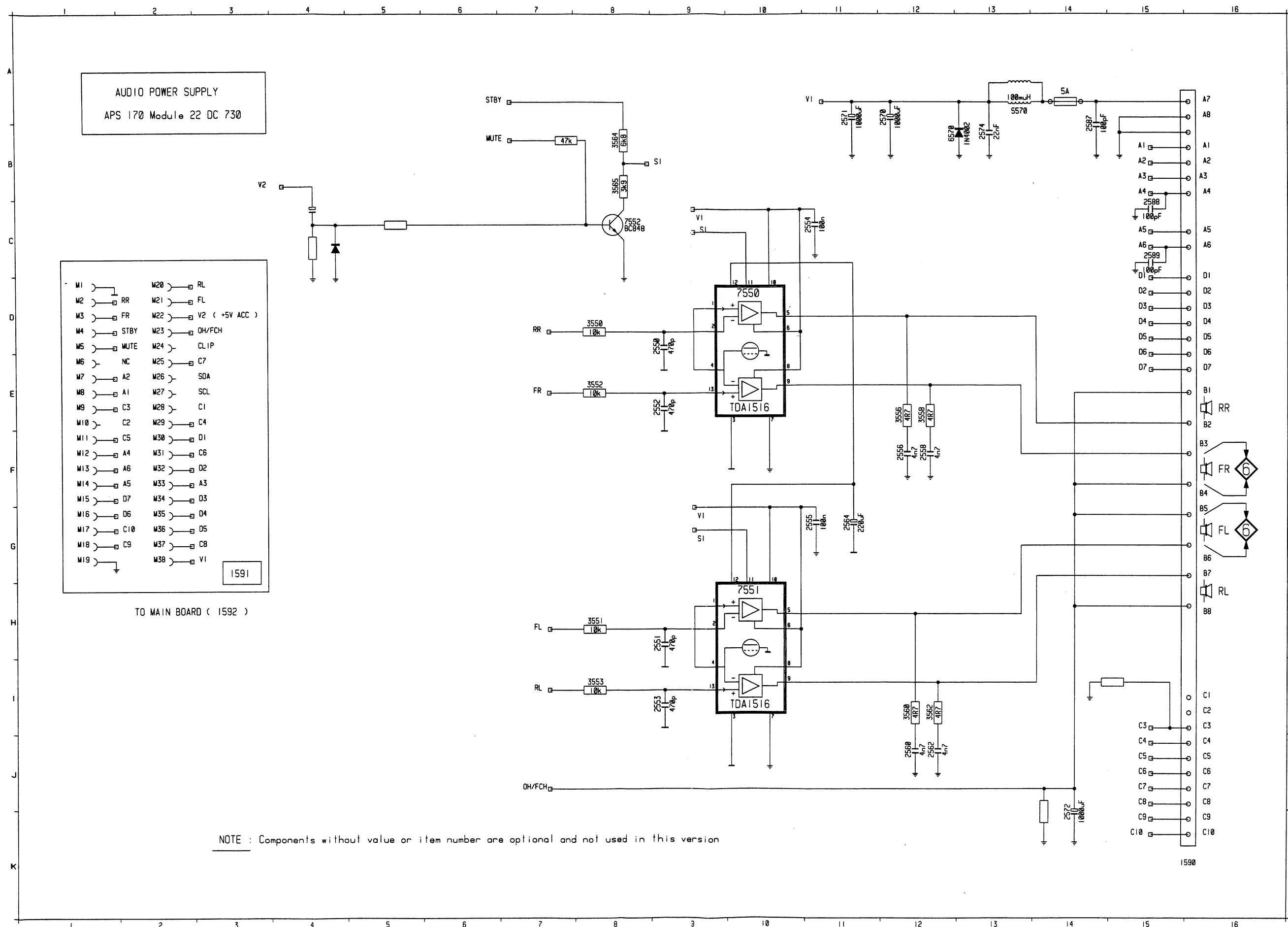
SIGNAL PROCESSING MODULE
22 DC 730 & 22 DC 740

For 22 DC 740 ONLY

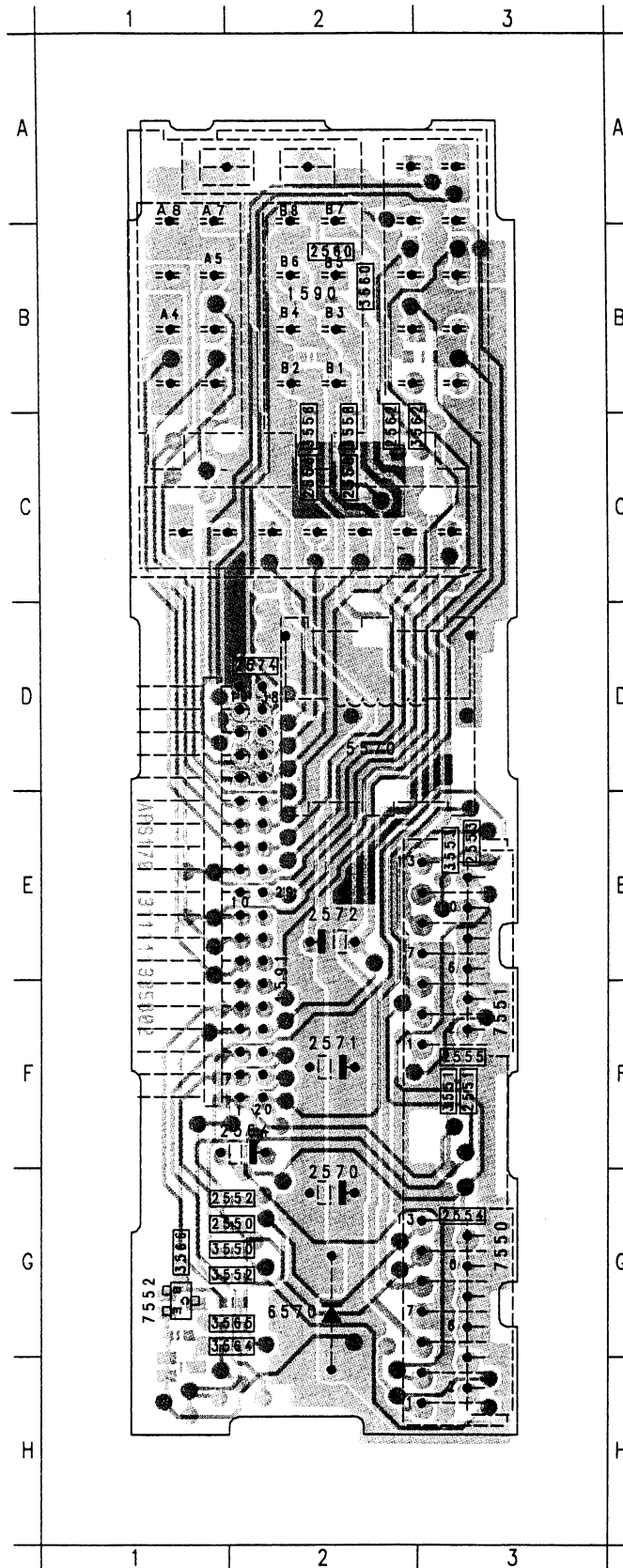


NOTE : Components without item or value are optional

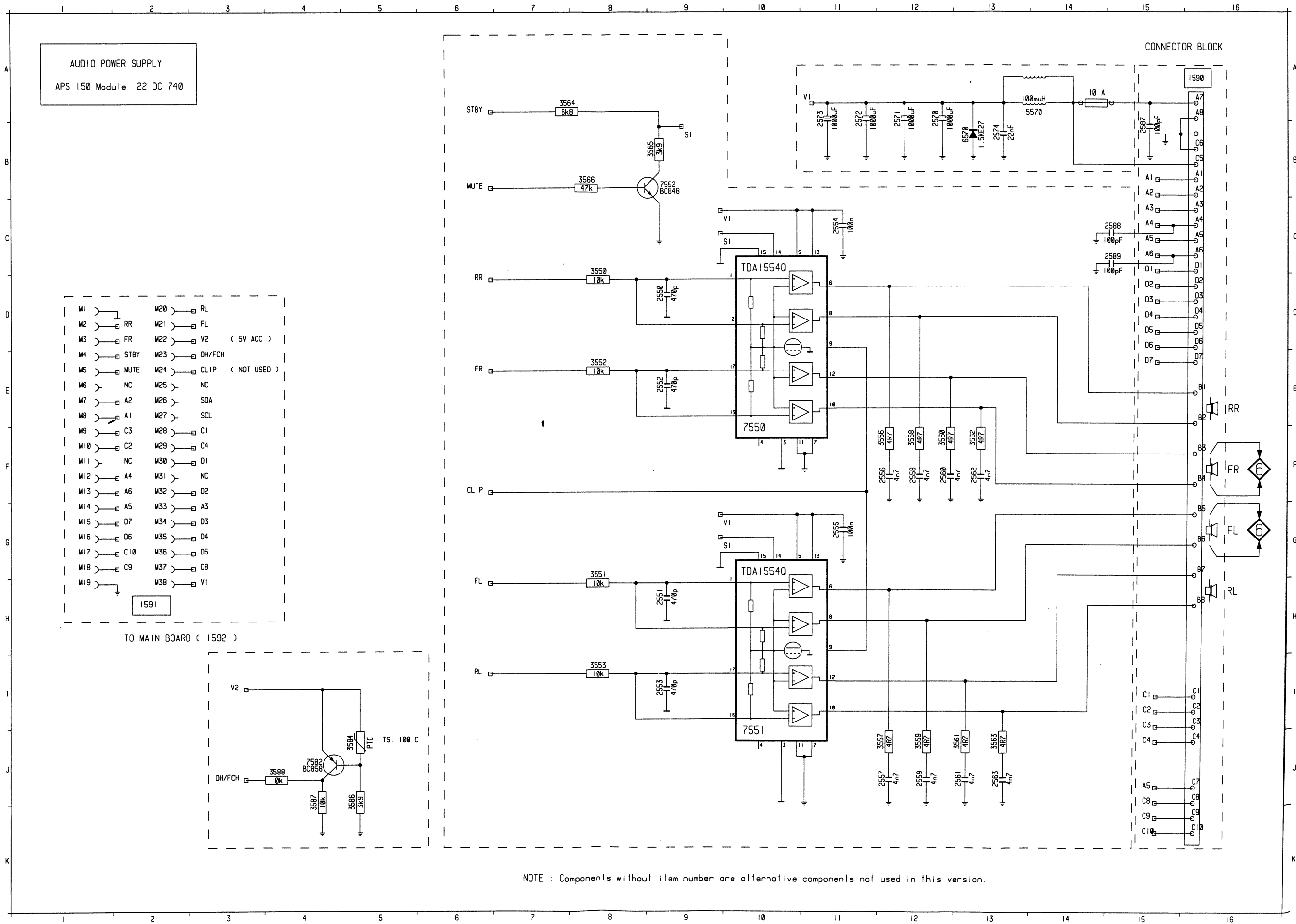
- 2350 D 1
- 2351 F 1
- 2352 D 2
- 2353 F 2
- 2354 C 2
- 2355 E 2
- 2480 F15
- 2481 F16
- 2482 F14
- 2483 F15
- 2501 H 9
- 2502 C 9
- 2503 H 9
- 2504 B 9
- 2510 C 8
- 2511 G 8
- 2512 C12
- 2513 C12
- 2514 C13
- 2515 F11
- 2516 F12
- 2522 G12
- 2523 G12
- 2524 F12
- 2525 E16
- 2526 F16
- 2527 E16
- 2528 D16
- 2670 H10
- 2725 I 8
- 2727 J 8
- 2728 J 9
- 2729 F 8
- 2730 J 8
- 2734 G 7
- 3354 D 1
- 3355 F 1
- 3356 C 1
- 3357 E 1
- 3358 D 2
- 3359 F 2
- 3360 C 2
- 3362 C 3
- 3363 E 3
- 3364 D 2
- 3365 F 2
- 3366 E 3
- 3480 I15
- 3481 J16
- 3482 H15
- 3483 I15
- 3485 I14
- 3486 H14
- 3487 I14
- 3488 J14
- 3489 J13
- 3490 I12
- 3501 G 9
- 3502 C 9
- 3503 G 9
- 3504 C10
- 3505 H 9
- 3506 B10
- 3515 H12
- 3516 B13
- 3673 G 9
- 3674 G 8
- 3688 D 7
- 3728 J 9
- 3731 H 7
- 3739 I10
- 6350 G 2
- 6370 H 7
- 7350 D 2
- 7351 F 2
- 7370 F 6
- 7480 I14
- 7481 J15
- 7482 H14
- 7483 I15
- 7489 I13
- 7520 D10
- 7720 I 9



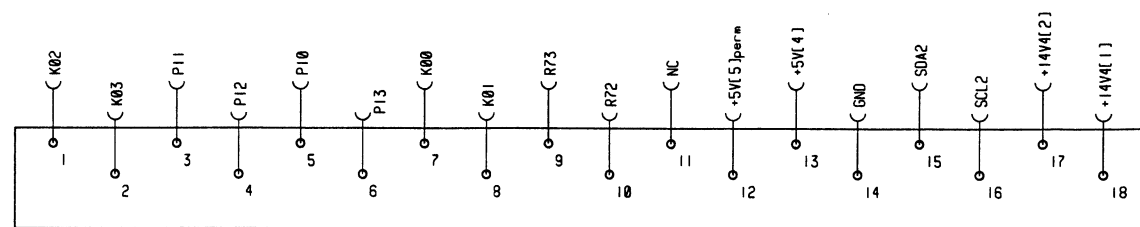
2550 D 9
2551 H 9
2552 E 9
2553 I 9
2554 C11
2555 G11
2556 F12
2558 F12
2560 J12
2562 J12
2564 G11
2570 A12
2571 A11
2572 K14
2574 B13
2580 C 4
2587 B14
2588 C15
2589 C15
3550 D 8
3551 H 8
3552 E 8
3553 I 8
3556 E12
3558 E12
3560 I12
3562 I12
3563 K14
3564 B 8
3565 B 8
3566 B 7
3582 C 5
3585 C 4
3599 I15
5570 A13
5572 A13
6570 B12
6580 C 4
7550 D10
7551 H10
7552 C 8



1590	2B
1591	2F
2550	2G
2551	3F
2552	2G
2553	3E
2554	3G
2555	3F
2556	2C
2558	2C
2560	2B
2562	2C
2564	2F
2570	2G
2571	2F
2572	2E
2574	2D
3550	2G
3551	3F
3552	2G
3553	3E
3555	2C
3558	2C
3560	2B
3562	2C
3564	2G
3565	2G
3566	1G
3570	3D
3572	2D
3574	2G
3575	3G
3576	3F
3577	1G



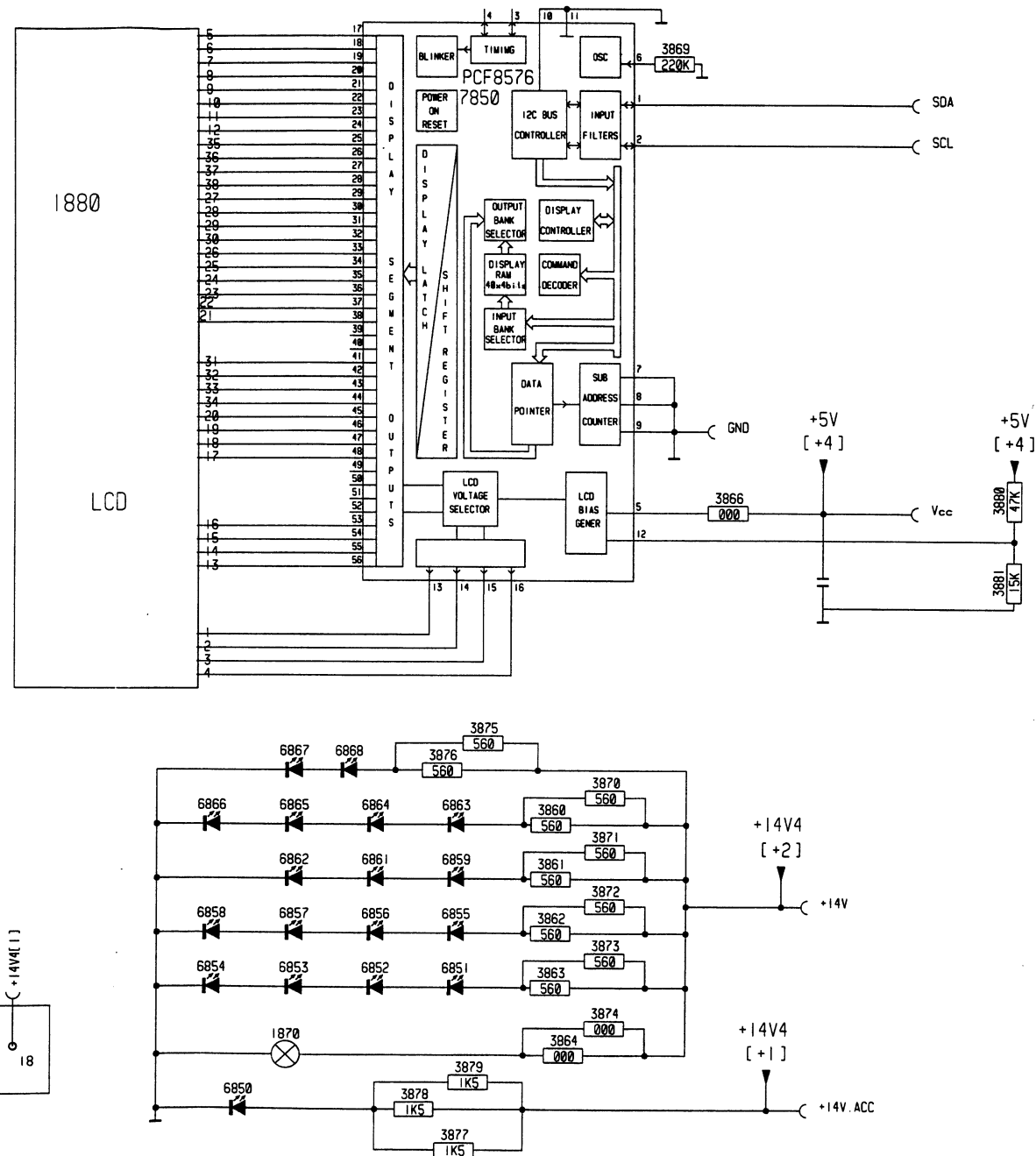
	22 DC ...	
	730	740
A	P6	P6/MSS
B	P1	P1
C		
D	VOL -	VOL -
E	P5/Met.	P5/Met.
F	P3	P3
G		
H	VOL +	VOL +
I	P4/Db	P4/Db
J	P2	P2
K	ON/OFF	ON/OFF
L	Tre/Fad	Tre/Fad
M	AST	AST
N	Down	Down
O	RDS/REG	RDS/REG
P	Bas/Bal	Bas/Bal
Q	Bnd	Bnd/Scn
R	UP	UP
S	Ldn/Mono	Mode/Ldn
T	TA/Mute	TA/Mute



TO MAIN BOARD (1610)

NOTE: Components without value or item are alternative components not used in this version

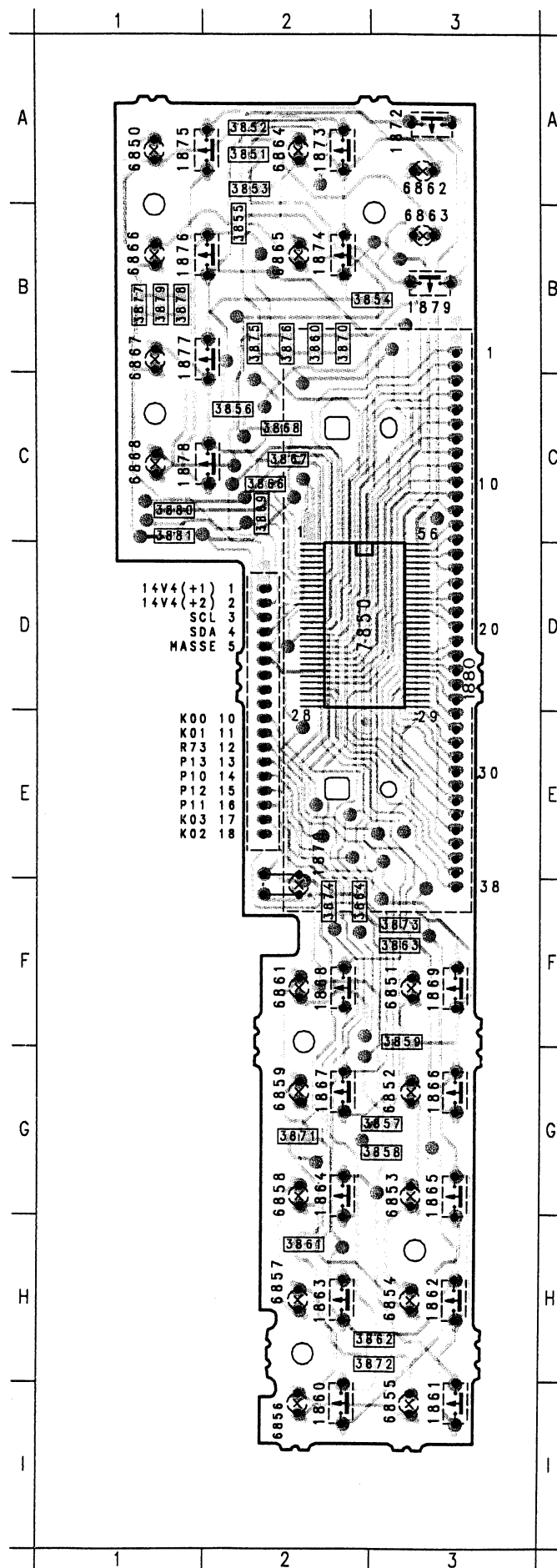
FRONT PART



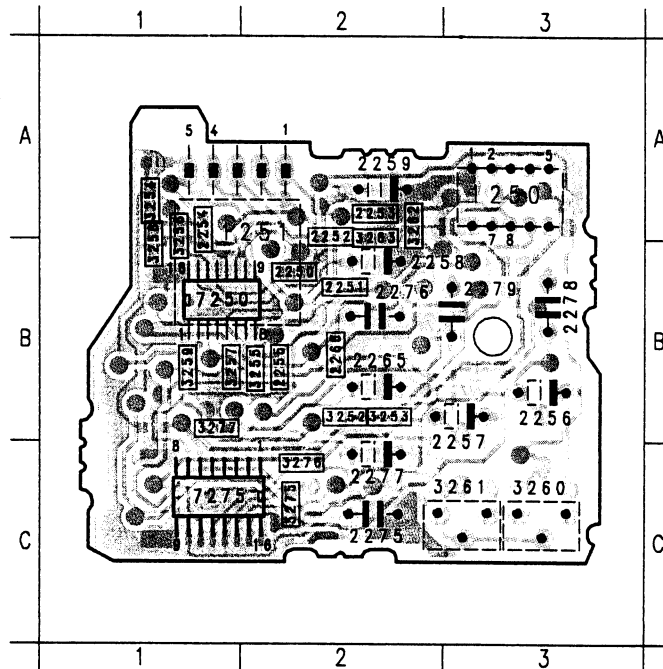
22 DC 730

22 DC 740

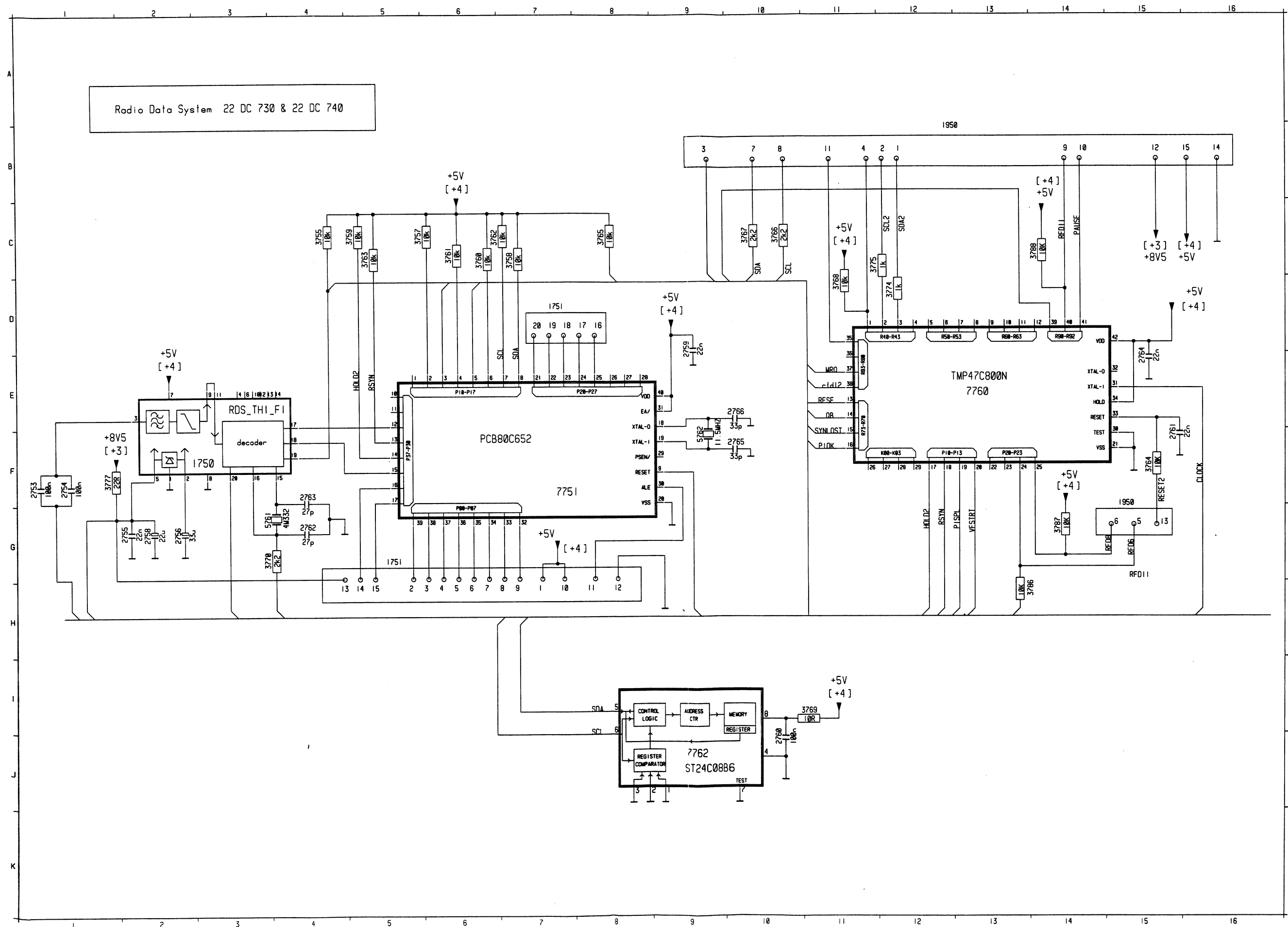
- 1870 I10
- 1880 C 9
- 2851 F14
- 3851 B 5
- 3852 B 6
- 3853 C 6
- 3854 C 6
- 3855 D 7
- 3856 E 6
- 3857 F 6
- 3858 F 6
- 3859 G 6
- 3860 H12
- 3861 H12
- 3862 H12
- 3863 I12
- 3864 I12
- 3866 E14
- 3869 B13
- 3870 G13
- 3871 H13
- 3872 H13
- 3873 I13
- 3874 I13
- 3875 G12
- 3876 G11
- 3877 J12
- 3878 J11
- 3879 I12
- 3880 E16
- 3881 F16
- 6850 J10
- 6851 I12
- 6852 I11
- 6853 I10
- 6854 I10
- 6855 H12
- 6856 H11
- 6857 H10
- 6858 H10
- 6859 H12
- 6861 H11
- 6862 H10
- 6863 H12
- 6864 H11
- 6865 H10
- 6866 H10
- 6867 G10
- 6868 G11
- 7850 B12



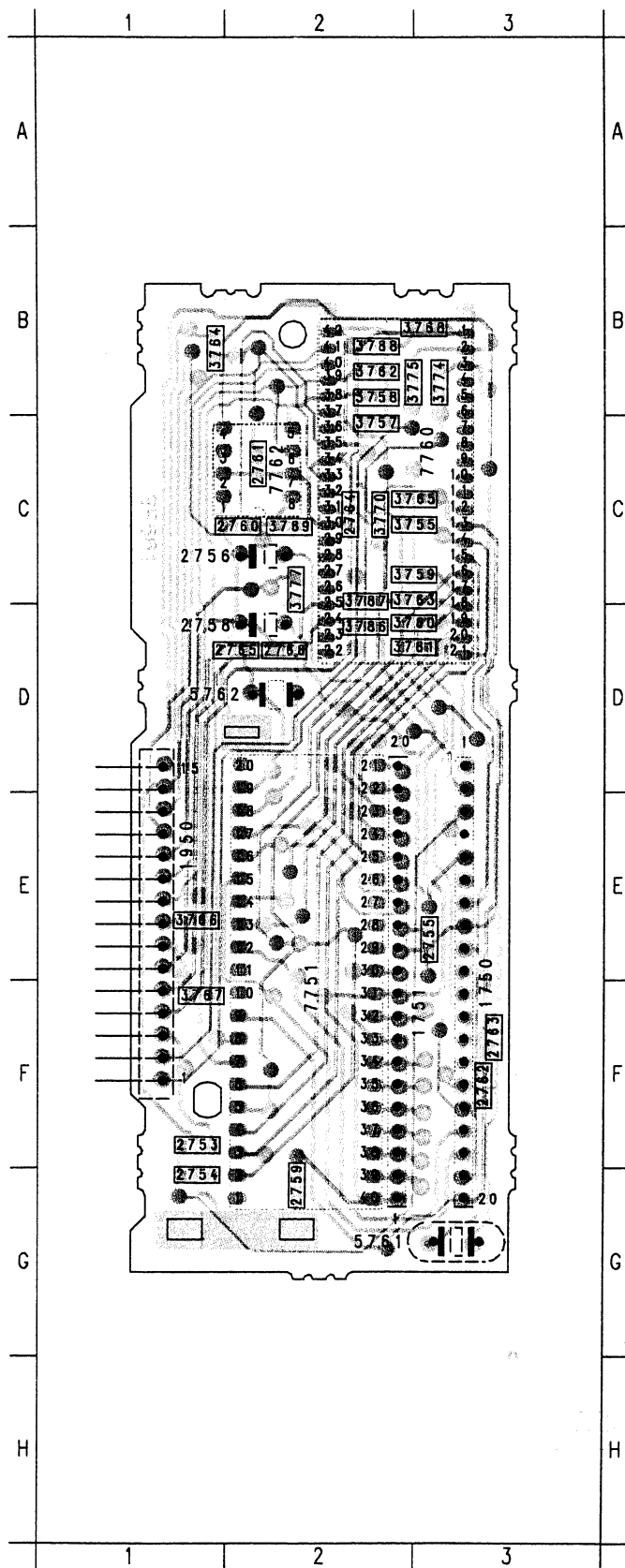
1860	2I
1861	3I
1862	3H
1863	2H
1864	2G
1865	3G
1866	3G
1867	2G
1868	2F
1869	3F
1870	2F
1872	3A
1873	2A
1874	2B
1875	1A
1876	1B
1877	1B
1878	1C
1879	3B
1880	3D
3851	2A
3852	2A
3853	2A
3854	2B
3855	2B
3856	2C
3857	3G
3858	3G
3859	3F
3860	2B
3861	2H
3862	3H
3863	3F
3864	2F
3866	2C
3867	2C
3868	2C
3869	2C
3870	2B
3871	2G
3872	3H
3873	3F
3874	2F
3875	2B
3876	2B
3877	1B
3878	1B
3879	1B
3880	1C
3881	1C
6850	1A
6851	3F
6852	3G
6853	3G
6854	3H
6855	3I
6856	2I
6857	2H
6858	2G
6859	2G
6861	2F
6862	3A
6863	3B
6864	2A
6865	2B
6866	1B
6867	1B
6868	1C
7850	2D



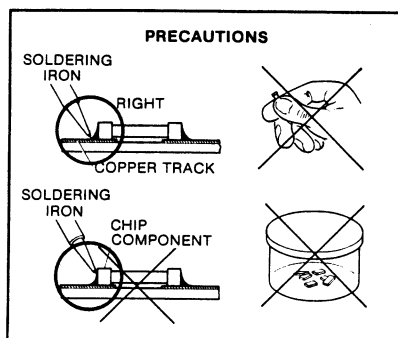
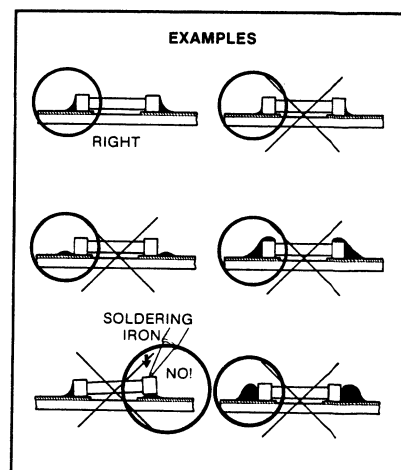
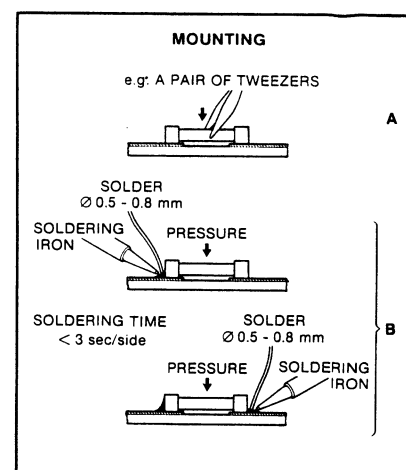
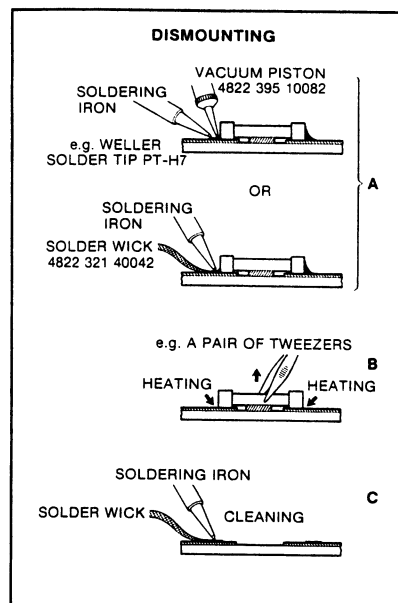
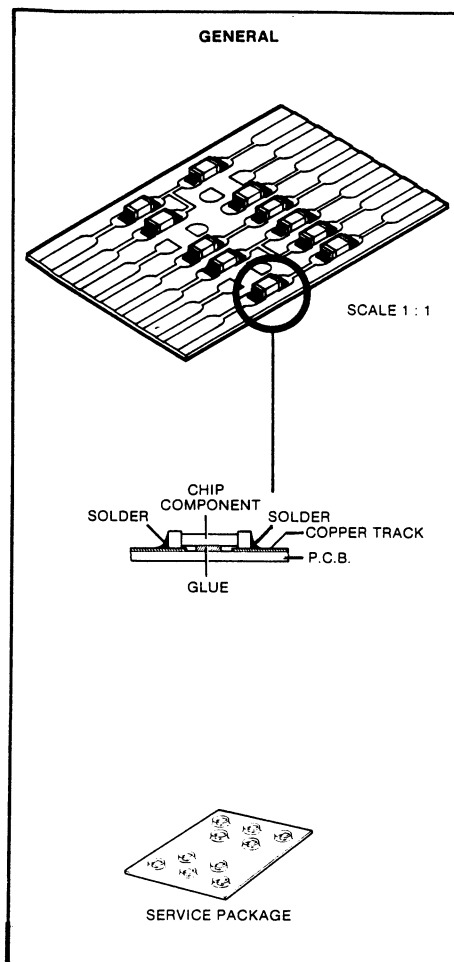
125C	3A	2254	1A	2265	2B	2279	3B	3257	1B	3263	2A
1251	2A	2255	2B	2266	2B	3252	2B	3258	1B	3275	2C
2250	2B	2256	3B	2275	2C	3253	2B	3259	1B	3276	2C
2251	2B	2257	3C	2276	2B	3254	1A	3260	3C	3277	1B
2252	2A	2258	2B	2277	2C	3255	2B	3261	3C	7250	1B
2253	2A	2259	2A	2278	3B	3256	1A	3262	2A	7275	1C



- 1750 F 2
- 2753 F 1
- 2754 F 1
- 2755 G 2
- 2756 G 2
- 2758 G 2
- 2759 D 9
- 2760 J 10
- 2761 F 15
- 2762 G 4
- 2763 F 4
- 2764 E 15
- 2765 F 10
- 2766 E 10
- 3755 C 4
- 3757 C 5
- 3758 C 7
- 3759 C 5
- 3760 C 6
- 3761 C 6
- 3762 C 6
- 3763 C 5
- 3764 F 15
- 3765 C 8
- 3766 C 10
- 3767 C 10
- 3768 D 11
- 3769 I 11
- 3770 G 3
- 3774 D 12
- 3775 C 11
- 3777 F 1
- 3786 H 14
- 3787 G 14
- 3788 C 13
- 5761 G 3
- 5762 F 9
- 7751 F 7
- 7760 E 13
- 7762 J 9

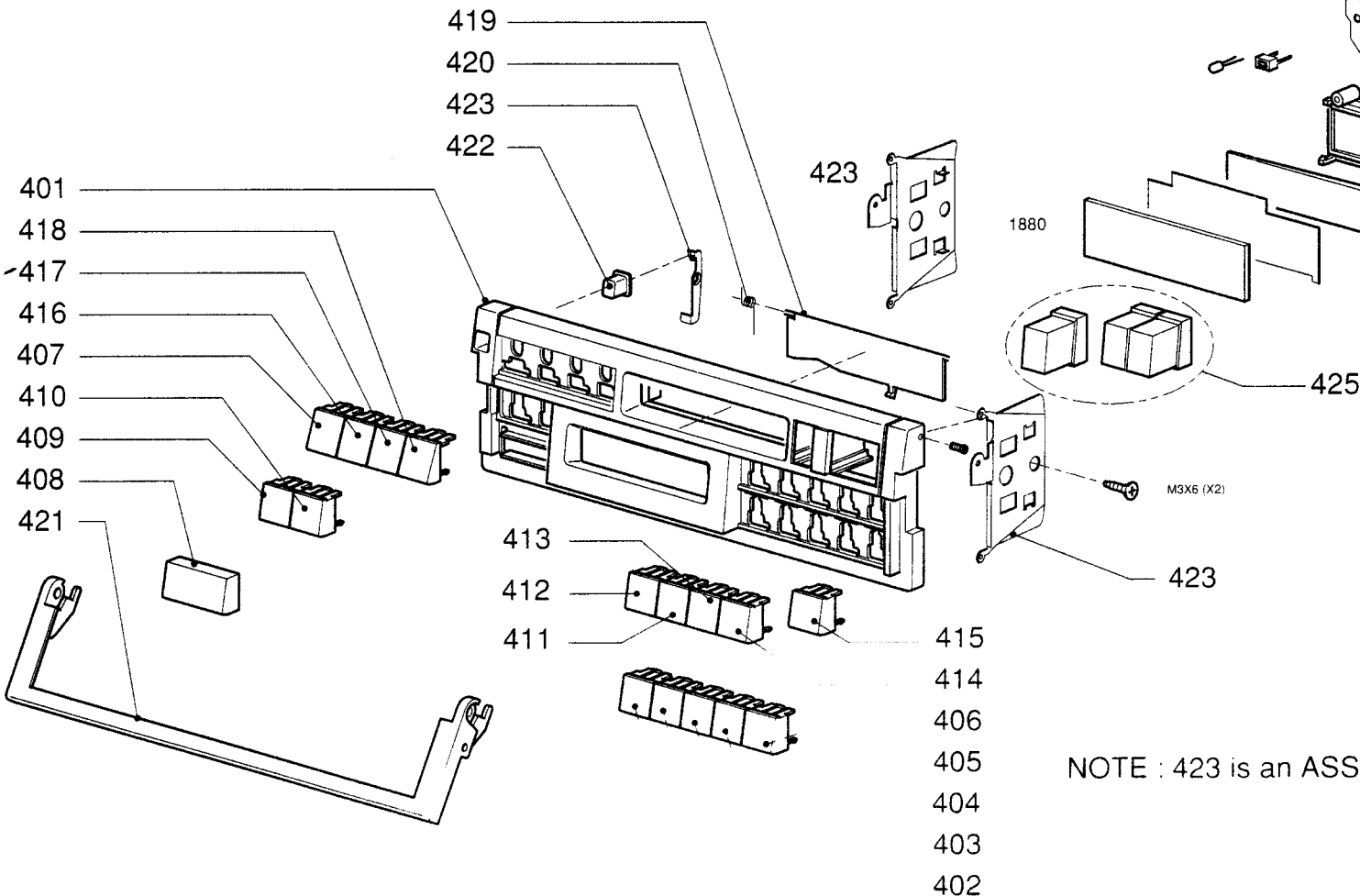


1750	F 3
1751	F 3
1950	E 1
2753	F 1
2754	G 1
2755	E 3
2756	C 1
2758	D 1
2759	G 2
2760	C 2
2761	C 2
2762	F 3
2763	F 3
2764	C 2
2765	D 2
2766	D 2
3755	C 2
3757	C 2
3758	B 2
3759	C 2
3760	D 2
3761	D 2
3762	B 2
3763	C 2
3764	B 1
3765	C 2
3766	E 1
3767	F 1
3768	B 3
3769	C 2
3770	C 2
3774	B 3
3775	B 2
3777	C 2
3786	D 2
3787	C 2
3788	B 2
5761	G 2
5762	D 1
7751	F 2
7760	C 3
7762	C 2



27 012C12

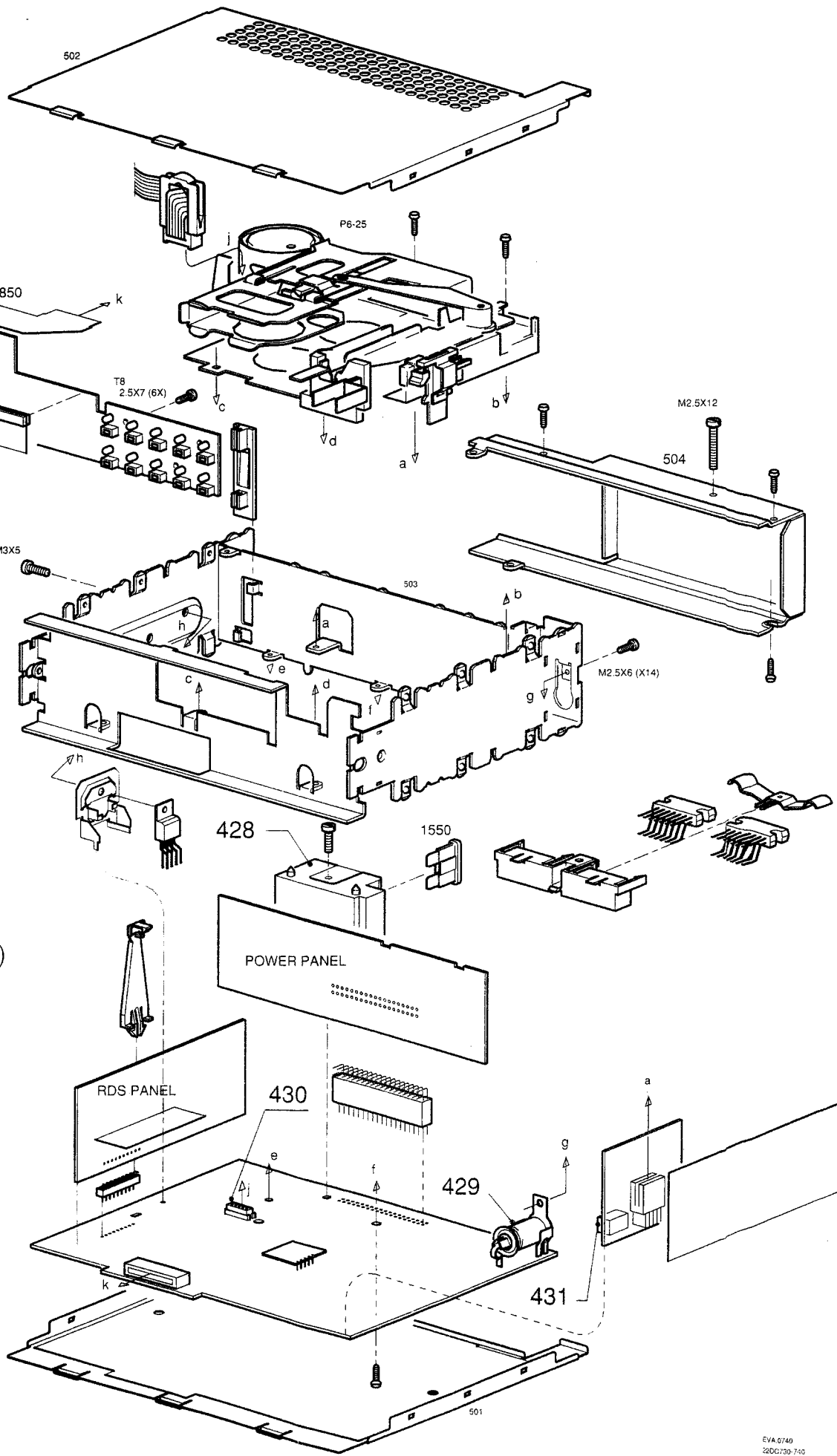
22 DC 730 & 22 DC 740




NOTE : 423 is an ASSY (3 parts)



401	4822 459 50667 £	409	4822 413 31678 £	418	4822 410 61694
401	4822 459 50666 #	409	4822 410 61312 #	419	4822 443 41008 £
402	4822 410 61714 £	410	4822 413 31679 £	419	4822 443 63551 #
402	4822 410 61691 #	410	4822 410 61313 #	420	4822 492 71033
403	4822 410 61712 £	411	4822 410 61314	421	4822 498 40575
403	4822 410 61701 #	412	4822 410 61315	422	4822 410 61306
404	4822 410 61687	413	4822 410 61684	423	4822 310 31917
405	4822 410 61688	414	4822 410 61685	425	4822 410 61695
406	4822 410 61713 £	415	4822 410 61686	428	4822 290 61018 £
406	4822 410 61689 #	416	4822 410 61692	428	4822 290 61031 #
407	4822 410 61324	417	4822 410 61715 £	429	4822 267 30883
408	4822 410 61319	417	4822 410 61693 #	430	4822 267 50872
				431	4822 267 41008



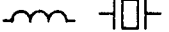
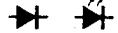
LEGEND : £ 730 ONLY , # 740 ONLY



Miscellaneous			— —		
1100	4822 210 10305	FM TUNER	2153	4822 122 33515	82pF 5% NP0
1550	4822 071 21003	FUSE 10A #	2154	4822 122 33555	22nF 10% X7R
1550	4822 070 35002	FUSE 5A £	2155	4822 122 33496	100nF 10% X7R
1750	4822 214 51875	THICK FILM RDS	2156	4822 122 32542	47nF 10% X7R
1850	4822 320 50224	FOIL FLEX	2157	4822 124 23624	47µF 20% 16V
1860	4822 276 13103	SWITCH	2158	4822 122 33176	2.7nF 10% X7R
1861	4822 276 13103	SWITCH	2159	4822 122 32597	6.8nF 10% X7R
1862	4822 276 13103	SWITCH	2160	4822 124 40244	2.2µF 20% 50V
1863	4822 276 13103	SWITCH	2161	4822 122 33181	150pF 5% N220
1864	4822 276 13103	SWITCH	2163	4822 122 33514	68pF 5% NP0
1865	4822 276 13103	SWITCH	2164	4822 122 33498	2.7nF 10% X7R
1866	4822 276 13103	SWITCH	2180	4822 122 33555	22nF 10% X7R
1867	4822 276 13103	SWITCH	2182	4822 122 32891	68nF 10% X7R
1868	4822 276 13103	SWITCH	2183	4822 122 32916	220nF 20% X7R
1869	4822 276 13103	SWITCH	2184	4822 122 33555	22nF 10% X7R
1870	4822 134 40831	14V.100MA	2185	4822 124 23624	47µF 20% 16V
1872	4822 276 13103	SWITCH	2186	4822 124 23624	47µF 20% 16V
1873	4822 276 13103	SWITCH	2187	4822 122 33514	68pF 5% NP0
1874	4822 276 13103	SWITCH	2188	4822 122 33555	22nF 10% X7R
1875	4822 276 13103	SWITCH	2190	4822 122 32542	47nF 10% X7R
1876	4822 276 13103	SWITCH	2191	4822 122 32597	6.8nF 10% X7R
1877	4822 276 13103	SWITCH	2193	4822 122 32916	220nF 20% X7R
1878	4822 276 13103	SWITCH	2200	4822 122 32916	220nF 20% X7R
1879	4822 276 13103	SWITCH	2201	4822 122 33555	470pF 5% NP0
1880	4822 130 90992	DISPLAY	2202	4822 122 33496	100nF 10% X7R
— —			2203	4822 122 32142	270pF 5% NP0
2000	4822 051 20008	CHIP JUMPER	2204	4822 122 33219	1.8nF 10% X7R
2001	4822 051 20008	CHIP JUMPER	2205	5322 122 32268	470pF 5% NP0
2002	4822 051 20008	CHIP JUMPER	2206	4822 122 32542	47nF 10% X7R
2003	4822 051 20008	CHIP JUMPER	2207	5322 122 31866	6.8nF 10% X7R
2050	5322 122 31647	1nF 10% X7R	2208	5322 122 31866	6.8nF 10% X7R
2051	4822 126 10205	6pF 5% NP0	2209	4822 122 33496	100nF 10% X7R
2052	5322 122 32448	10pF 5% NP0	2210	4822 124 23624	47µF 20% 16V
2053	4822 122 33215	33pF 5% NP0	2211	4822 124 41796	22µF 20% 16V
2054	4822 122 33514	68pF 5% NP0	2212	4822 122 31766	120pF 5% NP0
2055	4822 122 33515	82pF 5% NP0	2213	4822 122 33496	100nF 10% X7R
2056	4822 122 31961	68pF 5% NP0	2214	4822 122 32916	220nF 20% X7R
2057	4822 122 33177	10nF 10% X7R	2215	4822 122 33216	270pF 5% NP0
2058	4822 122 33496	100nF 10% X7R	2250	4822 122 33173	560pF 10% X7R
2059	4822 124 23624	47µF 20% 16V	2251	4822 122 33173	560pF 10% X7R
2060	4822 122 33216	270pF 5% NP0	2252	4822 122 33173	560pF 10% X7R
2061	4822 122 33555	22nF 10% X7R	2253	4822 122 33173	560pF 10% X7R
2062	4822 122 33216	270pF 5% NP0	2254	4822 122 33221	5.6nF 10% X7R
2063	4822 124 41795	1µF 20% 50V	2255	4822 122 33221	5.6nF 10% X7R
2064	4822 124 23624	47µF 20% 16V	2256	4822 124 40272	33µF 20% 16V
2065	4822 122 33496	100nF 10% X7R	2257	4822 124 40272	33µF 20% 16V
2066	4822 122 33213	22pF 5% NP0	2258	4822 124 40272	33µF 20% 16V
2067	4822 122 33496	100nF 10% X7R	2259	4822 124 22403	10µF 20% 16V
2068	4822 124 23624	47µF 20% 16V	2265	4822 124 23432	100µF 20% 10V
2069	4822 122 33221	5.6nF 10% X7R	2266	4822 122 33555	22nF 10% X7R
2070	4822 122 33837	1nF 10% X7R	2275	4822 121 42408	220nF 10% 63V
2072	4822 122 33177	10nF 10% X7R	2276	4822 121 42408	220nF 10% 63V
2074	4822 122 33177	10nF 10% X7R	2277	4822 124 41795	1µF 20% 50V
2075	4822 122 33496	100nF 10% X7R	2278	4822 121 42408	220nF 10% 63V
2076	4822 122 33496	100nF 10% X7R	2279	4822 121 42408	220nF 10% 63V
2100	4822 122 33555	22nF 10% X7R	2350	4822 124 40244	2.2µF 20% 50V #
2101	4822 122 33177	10nF 10% X7R	2351	4822 124 40244	2.2µF 20% 50V #
2102	4822 122 33177	10nF 10% X7R	2352	4822 122 33837	1nF 10% X7R #
2150	4822 122 33496	100nF 10% X7R	2353	4822 122 33837	1nF 10% X7R #
2151	4822 122 32542	47nF 10% X7R	2354	4822 124 23624	47µF 20% 16V #
2152	4822 122 32542	47nF 10% X7R	2355	4822 124 22403	10µF 20% 16V #

— —			— —		
2480	5322 124 41379	2.2µF 20% 50V	2728	4822 122 32892	100nF 20% X7R
2481	5322 124 41379	2.2µF 20% 50V	2729	4822 122 33837	1nF 10% X7R
2482	5322 124 41379	2.2µF 20% 50V	2730	4822 122 33177	10nF 10% X7R
2483	5322 124 41379	2.2µF 20% 50V	2734	4822 122 33837	1nF 10% X7R
2501	4822 122 33555	22nF 10% X7R	2753	4822 122 32892	100nF 20% X7R
2502	4822 122 33555	22nF 10% X7R	2754	4822 122 32892	100nF 20% X7R
2503	4822 122 33555	22nF 10% X7R	2755	4822 122 33555	22nF 10% X7R
2504	4822 122 33555	22nF 10% X7R	2756	4822 124 40272	33µF 20% 16V
2510	5322 121 42661	330nF 10% 63V	2758	4822 124 41796	22µF 20% 16V
2511	5322 121 42661	330nF 10% 63V	2759	4822 122 33555	22nF 10% X7R
2512	4822 121 51356	180nF 10% 63V	2760	4822 122 32892	100nF 20% X7R
2513	4822 121 51356	180nF 10% 63V	2761	4822 122 33555	22nF 10% X7R
2514	4822 122 33221	5.6nF 10% X7R	2762	4822 122 33214	27pF 5% NP0
2515	4822 124 41796	22µF 20% 16V	2763	4822 122 33214	27pF 5% NP0
2516	4822 124 23432	100µF 20% 10V	2764	4822 122 33555	22nF 10% X7R
2522	4822 121 51356	180nF 10% 63V	2765	4822 122 33215	33pF 5% NP0
2523	4822 121 51356	180nF 10% 63V	2766	4822 122 33215	33pF 5% NP0
2524	4822 122 33221	5.6nF 10% X7R	2770	4822 122 33177	10nF 10% X7R
2525	4822 122 32916	220nF 20% X7R	2820	4822 122 33837	1nF 10% X7R #
2526	4822 122 32916	220nF 20% X7R	2840	4822 122 32892	100nF 20% X7R
2527	4822 122 32916	220nF 20% X7R			
2528	4822 122 32916	220nF 20% X7R	3002	4822 051 20008	CHIP JUMPER
2550	5322 122 32268	470pF 5% NP0	3003	4822 051 20008	CHIP JUMPER
2551	5322 122 32268	470pF 5% NP0	3004	4822 051 20008	CHIP JUMPER
2552	5322 122 32268	470pF 5% NP0	3011	4822 051 20008	CHIP JUMPER
2553	5322 122 32268	470pF 5% NP0	3012	4822 051 20008	CHIP JUMPER
2554	4822 122 33496	100nF 10% X7R #	3050	4822 051 20561	560Ω 5% 0.1W
2554	4822 122 32892	100nF 20% X7R £	3051	4822 051 20471	470Ω 5% 0.1W
2555	4822 122 33496	100nF 10% X7R #	3052	4822 051 20184	180K 5% 0.1W
2555	4822 122 32892	100nF 20% X7R £	3053	4822 051 20472	4K70 5% 0.1W
2556	4822 122 33339	4.7nF 10% X7R	3054	4822 051 20102	1K00 5% 0.1W
2557	4822 122 33339	4.7nF 10% X7R #	3055	4822 051 20102	1K00 5% 0.1W
2558	4822 122 33339	4.7nF 10% X7R	3056	4822 051 20393	39K0 5% 0.1W
2559	4822 122 33339	4.7nF 10% X7R #	3058	4822 051 20474	470K 5% 0.1W
2560	4822 122 33339	4.7nF 10% X7R	3060	4822 051 20103	10K0 5% 0.1W
2561	4822 122 33339	4.7nF 10% X7R #	3065	4822 051 20109	10Ω0 5% 0.1W
2562	4822 122 33339	4.7nF 10% X7R	3100	4822 051 20103	10K0 5% 0.1W
2563	4822 122 33339	4.7nF 10% X7R #	3101	4822 051 20109	10Ω0 5% 0.1W
2564	4822 124 41554	220µF 20% 10V £	3102	4822 051 20471	470Ω 5% 0.1W
2570	4822 124 40201	1000µF 20% 16V	3111	4822 051 20569	56Ω0 5% 0.1W
2571	4822 124 40201	1000µF 20% 16V	3115	4822 051 20569	56Ω0 5% 0.1W
2572	4822 124 40201	1000µF 20% 16V	3116	4822 051 20102	1K00 5% 0.1W
2573	4822 124 40201	1000µF 20% 16V #	3125	4822 051 20102	1K00 5% 0.1W
2574	4822 122 33555	22nF 10% X7R	3150	4822 051 20102	1K00 5% 0.1W
2587	5322 122 32531	100pF 5% NP0 #	3151	4822 051 20331	330Ω 5% 0.1W
2588	5322 122 32531	100pF 5% NP0 #	3153	4822 051 20332	3K30 5% 0.1W
2589	5322 122 32531	100pF 5% NP0 #	3154	4822 051 20109	10Ω0 5% 0.1W
2633	4822 122 32892	100nF 20% X7R	3155	4822 100 20166	TRIM LIN 10K 30%
2634	4822 124 23432	100µF 20% 10V	3156	4822 051 20222	2K20 5% 0.1W
2635	4822 124 23624	47µF 20% 16V	3157	4822 100 20166	TRIM LIN 10K 30%
2636	4822 124 40244	2.2µF 20% 50V	3158	4822 051 20109	10Ω0 5% 0.1W
2637	4822 124 40272	33µF 20% 16V	3159	4822 051 20471	470Ω 5% 0.1W
2640	4822 124 23624	47µF 20% 16V	3161	4822 051 20473	47K0 5% 0.1W
2641	4822 124 41796	22µF 20% 16V	3162	4822 051 20472	4K70 5% 0.1W
2660	4822 122 33555	22nF 10% X7R	3163	4822 051 20271	270Ω 5% 0.1W
2661	4822 122 33283	150pF 5% NP0	3164	4822 051 20273	27K0 5% 0.1W
2662	4822 122 33283	150pF 5% NP0	3165	4822 051 20562	5K60 5% 0.1W
2670	4822 122 33177	10nF 10% X7R	3166	4822 051 20008	CHIP JUMPER
2690	4822 122 33555	22nF 10% X7R	3167	4822 051 20103	10K0 5% 0.1W
2725	4822 122 32892	100nF 20% X7R	3169	4822 051 20331	330Ω 5% 0.1W
2727	4822 124 40244	2.2µF 20% 50V	3180	4822 051 20103	10K0 5% 0.1W

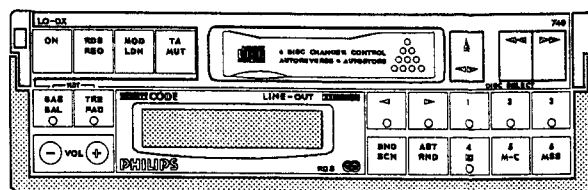
					
3181	4822 051 20103	10K0 5% 0.1W	3487	4822 051 20102	1K00 5% 0.1W
3182	4822 051 20331	330Ω 5% 0.1W	3488	4822 051 20102	1K00 5% 0.1W
3183	4822 051 20475	4M70 5% 0.1W	3489	4822 051 20104	100K 5% 0.1W
3184	4822 051 20562	5K60 5% 0.1W	3490	4822 051 20473	47K0 5% 0.1W
3185	4822 051 20103	10K0 5% 0.1W	3501	4822 051 20153	15K0 5% 0.1W
3190	4822 051 20332	3K30 5% 0.1W	3502	4822 051 20153	15K0 5% 0.1W
3200	4822 051 20273	27K0 5% 0.1W	3503	4822 051 10183	18K0 5% 0.1W
3201	4822 051 20104	100K 5% 0.1W	3504	4822 051 10183	18K0 5% 0.1W
3202	4822 051 20272	2K70 5% 0.1W	3505	4822 051 20824	820K 5% 0.1W
3203	4822 051 20474	470K 5% 0.1W	3506	4822 051 20824	820K 5% 0.1W
3204	4822 051 20473	47K0 5% 0.1W	3515	4822 051 20822	8K20 5% 0.1W
3205	4822 051 20333	33K0 5% 0.1W	3516	4822 051 20822	8K20 5% 0.1W
3206	4822 051 20333	33K0 5% 0.1W	3550	4822 051 20102	1K00 5% 0.1W #
3207	4822 051 20474	470K 5% 0.1W	3550	4822 051 20103	10K0 5% 0.1W £
3208	4822 051 20104	100K 5% 0.1W	3551	4822 051 20102	1K00 5% 0.1W #
3209	4822 100 11163	TRIM LIN 100K 30%	3551	4822 051 20103	10K0 5% 0.1W £
3210	4822 051 20471	470Ω 5% 0.1W	3552	4822 051 20102	1K00 5% 0.1W #
3211	4822 051 20104	100K 5% 0.1W	3552	4822 051 20103	10K0 5% 0.1W £
3212	4822 051 20103	10K0 5% 0.1W	3553	4822 051 20102	1K00 5% 0.1W #
3213	4822 051 20122	1K20 5% 0.1W	3553	4822 051 20103	10K0 5% 0.1W £
3214	4822 051 20109	10Ω0 5% 0.1W	3556	4822 051 20478	4Ω70 5% 0.1W
3215	4822 051 20008	CHIP JUMPER	3557	4822 051 20478	4Ω70 5% 0.1W #
3216	4822 051 20472	4K70 5% 0.1W	3558	4822 051 20478	4Ω70 5% 0.1W
3217	4822 051 20103	10K0 5% 0.1W	3559	4822 051 20478	4Ω70 5% 0.1W #
3218	4822 051 20472	4K70 5% 0.1W	3560	4822 051 20478	4Ω70 5% 0.1W
3219	4822 051 20472	4K70 5% 0.1W	3561	4822 051 20478	4Ω70 5% 0.1W #
3220	4822 051 20104	100K 5% 0.1W	3562	4822 051 20478	4Ω70 5% 0.1W
3221	4822 051 20683	68K0 5% 0.1W	3563	4822 051 20478	4Ω70 5% 0.1W #
3252	4822 051 20681	6K80 5% 0.1W	3564	4822 051 20682	6K80 5% 0.1W
3253	4822 051 20681	6K80 5% 0.1W	3565	4822 051 20392	3K90 5% 0.1W
3254	4822 051 20474	470K 5% 0.1W	3566	4822 051 20473	47K0 5% 0.1W
3255	4822 051 20474	470K 5% 0.1W	3584	4822 116 40218	PTC #
3256	4822 051 20473	47K0 5% 0.1W	3586	4822 051 20392	3K90 5% 0.1W
3257	4822 051 20473	47K0 5% 0.1W	3587	4822 051 20103	10K0 5% 0.1W #
3258	4822 051 20333	33K0 5% 0.1W	3588	4822 051 20103	10K0 5% 0.1W #
3259	4822 051 20333	33K0 5% 0.1W	3631	4822 051 20103	10K0 5% 0.1W
3260	5322 100 11541	TRIM LIN 2.2K 30%	3632	4822 051 20271	270Ω 5% 0.1W
3261	5322 100 11541	TRIM LIN 2.2K 30%	3633	4822 051 20153	15K0 5% 0.1W
3262	4822 051 20473	47K0 5% 0.1W	3634	4822 051 20104	100K 5% 0.1W
3263	4822 051 20473	47K0 5% 0.1W	3635	4822 051 20104	100K 5% 0.1W
3275	4822 051 10183	18K0 5% 0.1W	3636	4822 051 20273	27K0 5% 0.1W
3276	4822 051 20223	22K0 5% 0.1W	3637	4822 051 20472	4K70 5% 0.1W
3277	4822 051 20223	22K0 5% 0.1W	3640	4822 051 20569	56Ω0 5% 0.1W
3354	4822 051 20393	39K0 5% 0.1W #	3641	4822 051 20271	270Ω 5% 0.1W
3355	4822 051 20393	39K0 5% 0.1W #	3649	4822 116 40216	POSISTOR 4Ω7
3356	4822 051 20393	39K0 5% 0.1W #	3661	4822 051 20473	47K0 5% 0.1W
3357	4822 051 20393	39K0 5% 0.1W #	3662	4822 051 20103	10K0 5% 0.1W
3358	4822 051 20569	56Ω0 5% 0.1W #	3663	4822 051 20103	10K0 5% 0.1W
3359	4822 051 20569	56Ω0 5% 0.1W #	3673	4822 051 20184	180K 5% 0.1W
3360	4822 051 20273	27K0 5% 0.1W #	3674	4822 051 20184	180K 5% 0.1W
3362	4822 051 20102	1K00 5% 0.1W	3675	4822 051 20103	10K0 5% 0.1W
3363	4822 051 20102	1K00 5% 0.1W	3676	4822 051 20104	100K 5% 0.1W
3364	4822 051 20471	470Ω 5% 0.1W #	3677	4822 051 20104	100K 5% 0.1W
3365	4822 051 20471	470Ω 5% 0.1W #	3680	4822 051 20473	47K0 5% 0.1W
3366	4822 051 20109	10Ω0 5% 0.1W	3685	4822 051 20103	10K0 5% 0.1W
3480	4822 051 20153	15K0 5% 0.1W	3688	4822 051 20103	10K0 5% 0.1W
3481	4822 051 20153	15K0 5% 0.1W	3689	4822 051 20473	47K0 5% 0.1W
3482	4822 051 20153	15K0 5% 0.1W	3690	4822 051 20222	2K20 5% 0.1W
3483	4822 051 20153	15K0 5% 0.1W	3691	4822 051 20473	47K0 5% 0.1W
3485	4822 051 20102	1K00 5% 0.1W	3692	4822 051 20103	10K0 5% 0.1W
3486	4822 051 20102	1K00 5% 0.1W	3693	4822 051 20473	47K0 5% 0.1W

					
3694	4822 051 20473	47K0 5% 0.1W	3871	4822 051 20681	6K80 5% 0.1W
3695	4822 051 20473	47K0 5% 0.1W	3872	4822 051 20561	560W 5% 0.1W
3696	4822 051 20473	47K0 5% 0.1W	3873	4822 051 20561	560W 5% 0.1W
3697	4822 051 20473	47K0 5% 0.1W	3874	4822 051 20008	CHIP JUMPER
3698	4822 051 20473	47K0 5% 0.1W	3875	4822 051 20102	1K00 5% 0.1W
3700	4822 051 20122	1K20 5% 0.1W #	3876	4822 051 20102	1K00 5% 0.1W
3702	4822 051 20102	1K00 5% 0.1W	3877	4822 051 20152	1.5K0 5% 0.1W
3703	4822 051 20103	10K0 5% 0.1W	3878	4822 051 20152	1.5K0 5% 0.1W
3704	4822 051 20473	47K0 5% 0.1W	3879	4822 051 20152	1.5K0 5% 0.1W
3705	4822 051 20473	47K0 5% 0.1W	3880	4822 051 20473	47K0 5% 0.1W
3706	4822 051 20473	47K0 5% 0.1W	3881	4822 051 20153	15K0 5% 0.1W
3728	4822 051 20474	470K 5% 0.1W			
3731	4822 051 20104	100K 5% 0.1W	5050	4822 152 20677	10μH 10%
3739	4822 051 20472	4K70 5% 0.1W	5051	4822 152 20677	10μH 10%
3755	4822 051 20103	10K0 5% 0.1W	5052	4822 157 60122	4.7μH 10%
3757	4822 051 20103	10K0 5% 0.1W	5053	4822 152 20677	10μH 10%
3758	4822 051 20103	10K0 5% 0.1W	5054	4822 157 50975	1000 μH 10%
3759	4822 051 20103	10K0 5% 0.1W	5055	4822 152 20682	6.15 μH 6%
3760	4822 051 20103	10K0 5% 0.1W	5056	4822 152 20678	33 μH 10%
3761	4822 051 20103	10K0 5% 0.1W	5057	4822 152 20683	28 μH 6%
3762	4822 051 20103	10K0 5% 0.1W	5058	4822 157 52983	22 μH 10%
3763	4822 051 20103	10K0 5% 0.1W	5059	4822 157 52983	22 μH 10%
3764	4822 051 20103	10K0 5% 0.1W	5070	4822 242 72076	10.7 MHz
3765	4822 051 20103	10K0 5% 0.1W	5071	4822 242 72076	10.7 MHz
3766	4822 051 20222	2K20 5% 0.1W	5072	4822 242 71883	SFE 10.7MS3-D
3767	4822 051 20222	2K20 5% 0.1W	5073	4822 242 71883	SFE 10.7MS3-D
3768	4822 051 20103	10K0 5% 0.1W	5117	4822 242 80258	SFE10.7MS2-A-TF21
3769	4822 051 20109	10Ω0 5% 0.1W	5150	4822 156 11081	1.47 μH 6%
3770	4822 051 20222	2K20 5% 0.1W	5180	4822 157 50975	1000 μH 10%
3774	4822 051 20102	1K00 5% 0.1W	5190	4822 242 71874	4.000 MHz
3775	4822 051 20102	1K00 5% 0.1W	5200	4822 242 81117	CER. RES. 18.95 KHz
3777	4822 051 20229	22Ω0 5% 0.1W	5570	4822 157 63311	CHOKE COIL #
3786	4822 051 20103	10K0 5% 0.1W	5570	4822 157 63285	CHOKE COIL £
3787	4822 051 20103	10K0 5% 0.1W	5660	4822 157 53338	1000 μH 10%
3788	4822 051 20103	10K0 5% 0.1W	5665	4822 242 72527	CER. RES. 4.000 MHz
3820	4822 051 20103	10K0 5% 0.1W #	5761	4822 242 80259	XTL .RES. 4.332 MHz
3821	4822 116 40221	POSISTOR 8Ω2 #	5762	4822 242 81118	CER. RES. 11.5 MHz
3822	4822 051 20102	1K00 5% 0.1W #			
3825	4822 051 20103	10K0 5% 0.1W #	6002	4822 252 60127	SURGE PROT. DSP201
3826	4822 116 40221	POSISTOR 8Ω2 #	6051	4822 130 82596	BB419
3827	4822 051 20102	1K00 5% 0.1W #	6052	5322 130 34337	BAV99
3830	4822 051 20222	2K20 5% 0.1W #	6100	4822 130 30621	1N4148
3831	4822 051 20473	47K0 5% 0.1W #	6150	5322 130 31928	BAS16
3835	4822 051 20104	100K 5% 0.1W #	6201	5322 130 31928	BAS16
3851	4822 051 20273	27K0 5% 0.1W	6350	4822 130 30621	1N4148
3852	4822 051 20273	27K0 5% 0.1W	6370	5322 130 34331	BAV70
3853	4822 051 20273	27K0 5% 0.1W	6570	4822 130 82465	1.5kE27P #
3854	4822 051 20273	27K0 5% 0.1W	6570	5322 130 30684	1N4002 £
3855	4822 051 20273	27K0 5% 0.1W	6610	5322 130 34331	BAV70
3856	4822 051 20273	27K0 5% 0.1W	6615	4822 130 34233	BZX79-C5V1
3857	4822 051 20273	27K0 5% 0.1W	6616	5322 130 30684	1N4002
3858	4822 051 20273	27K0 5% 0.1W	6661	4822 130 34233	BZX79-C5V1
3859	4822 051 20273	27K0 5% 0.1W	6700	4822 130 34174	BZX79-C4V7
3860	4822 051 20561	560W 5% 0.1W	6701	4822 130 30594	BAV10 #
3861	4822 051 20681	6K80 5% 0.1W	6826	4822 130 32904	BZV85-C5V6 #
3862	4822 051 20561	560W 5% 0.1W	6827	4822 130 32904	BZV85-C5V6 #
3863	4822 051 20561	560W 5% 0.1W	6850	4822 130 82595	LED TLHO4400AS12Z
3864	4822 051 20008	CHIP JUMPER	6851	4822 130 82595	LED TLHO4400AS12Z
3866	4822 051 20152	1.5K0 5% 0.1W	6852	4822 130 82595	LED TLHO4400AS12Z
3869	4822 051 20224	220k 5% 0.1W			
3870	4822 051 20561	560W 5% 0.1W			

▶▶			⊗		
6853	4822 130 82595	LED TLHO4400AS12Z	7489	4822 130 60511	BC847B
6854	4822 130 82595	LED TLHO4400AS12Z	7520	4822 209 72892	TEA6310T/V5
6855	4822 130 82595	LED TLHO4400AS12Z	7550	4822 209 30912	TDA1554Q/N2#
6856	4822 130 82595	LED TLHO4400AS12Z	7550	4822 209 72894	TDA1516BQ/N2 £
6857	4822 130 82595	LED TLHO4400AS12Z	7551	4822 209 30912	TDA1554Q/N2 #
6858	4822 130 82595	LED TLHO4400AS12Z	7551	4822 209 72894	TDA1516BQ/N2 £
6859	4822 130 82595	LED TLHO4400AS12Z	7552	5322 130 41982	BC848B
6861	4822 130 82595	LED TLHO4400AS12Z	7582	5322 130 41983	BC858B #
6862	4822 130 82595	LED TLHO4400AS12Z	7630	4822 209 63938	L4918
6863	4822 130 82595	LED TLHO4400AS12Z	7631	4822 209 72252	L4904A
6864	4822 130 82595	LED TLHO4400AS12Z	7632	4822 130 62651	ON4414
6865	4822 130 82595	LED TLHO4400AS12Z	7633	4822 130 60511	BC847B
6866	4822 130 82595	LED TLHO4400AS12Z	7635	4822 130 60511	BC847B
6867	4822 130 82595	LED TLHO4400AS12Z	7636	4822 130 60511	BC847B
6868	4822 130 82595	LED TLHO4400AS12Z	7637	5322 130 41983	BC858B
⊗			7660	4822 209 30877	MAIN CTR OTP #
7050	4822 209 72247	TEA6200/V2	7660	4822 209 30952	MAIN CTR OTP £
7052	5322 130 41983	BC858B	7661	4822 130 60511	BC847B
7150	4822 209 73507	TEA6100/N3	7700	4822 130 60511	BC847B #
7152	4822 130 60511	BC847B	7720	4822 209 83159	LA2000
7180	4822 209 30858	TSA6057/C1	7751	4822 209 30879	RDS HANDLER OTP
7200	4822 130 60511	BC847B	7760	4822 209 30878	RDS MICRO P. OTP
7201	4822 130 60511	BC847B	7762	4822 209 30954	ST24C08B6
7202	5322 130 41983	BC858B	7820	4822 209 30857	PC74HCT107T #
7210	4822 209 30859	TDA1591/V3	7825	4822 130 42132	BC807 #
7250	4822 209 63939	TA7705F	7826	4822 130 42132	BC807 #
7275	4822 209 30856	HA12134F	7827	4822 130 42132	BC807 #
7350	4822 130 42353	BFS19	7840	4822 209 30953	ST24C04B6
7351	4822 130 42353	BFS19	7850	5322 209 11129	PCF8576T
7370	4822 209 10263	HEF4052BP			
7480	4822 130 60511	BC847B			
7481	4822 130 60511	BC847B			# : FOR 22DC740 ONLY
7482	4822 130 60511	BC847B			£ : FOR 22DC730 ONLY
7483	4822 130 60511	BC847B			

Technician's - Remarks

Service
Service
Service



For repair information of the Cassette Deck see Service
Manual number 4822 725 24071: P6-25/2 for 22DC730
P6-25/3 for 22DC740

Service Manual

Please refer to basic Service Manual of 22 DC 730 & 740 / 00R number 4822 725 22873
with following changes: +4656

12 V

Item	Description	22 DC 730 / 30R	22 DC 740 / 30R
401	FRONT	4822 459 50693	4822 459 50696
7660	Main CTR	4822 209 52221	4822 209 52224
7751	RDS Handler	4822 209 52218	4822 209 52218
7760	RDS micro P.	4822 209 52219	4822 209 52219

A new P.C.B. is added on R.D.S. module for E.O.N. function with following parts-list:

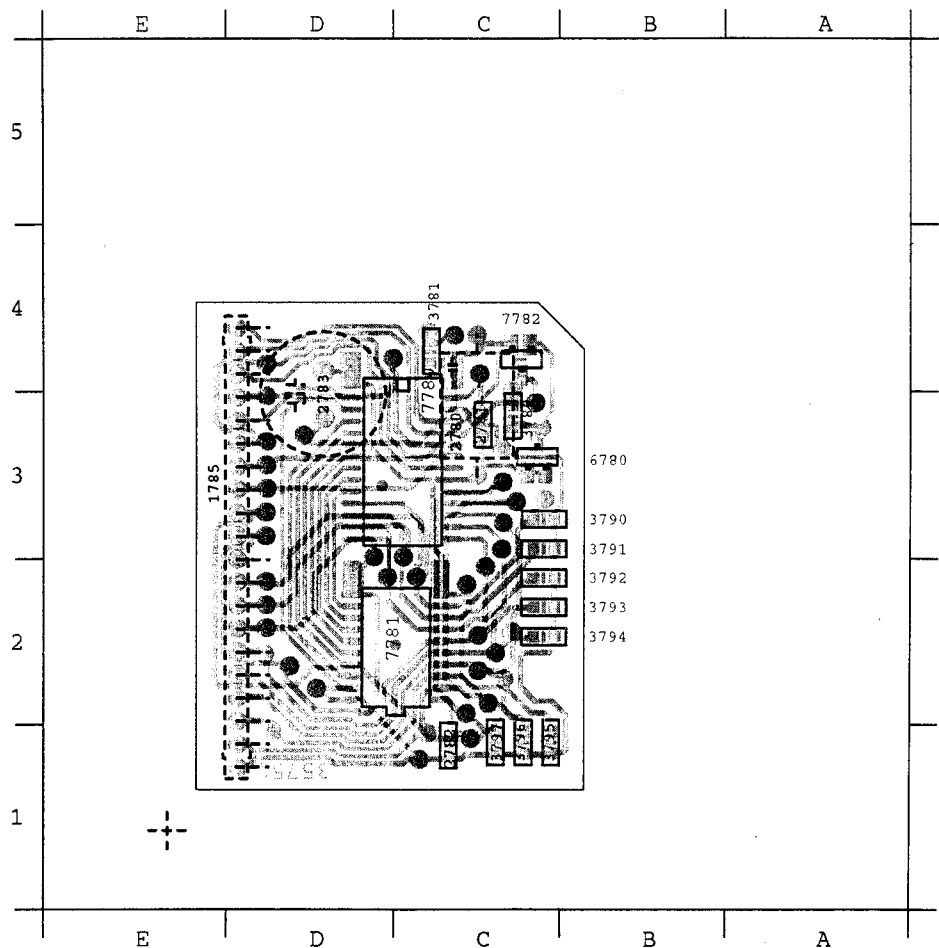
item 2780	4822 124 23046	47MU 10% 10 V.
item 2781	4822 122 33496	100 nF 10% X7R 1206
item 2782	4822 122 33496	100 nF 10% X7R 1206
item 2783	4822 124 41754	100 nF 20% 5,5 V.
item 3780	4822 051 20561	560 R 5 % 0,1 W.
item 3781	4822 051 20101	100 R 5 % 0,1 W.
items 3790 to 3797	4822 051 20103	10k 5 % 0,1 W.
item 6780	4822 130 80125	Diode BZX 84-C 5 V 6
item 7780	4822 209 31163	IC FCF 61 C 65 LL-85 T
item 7781	4822 209 60424	IC PC 74 HC 573 T
item 7782	4822 130 42614	Tr.BC 849 C



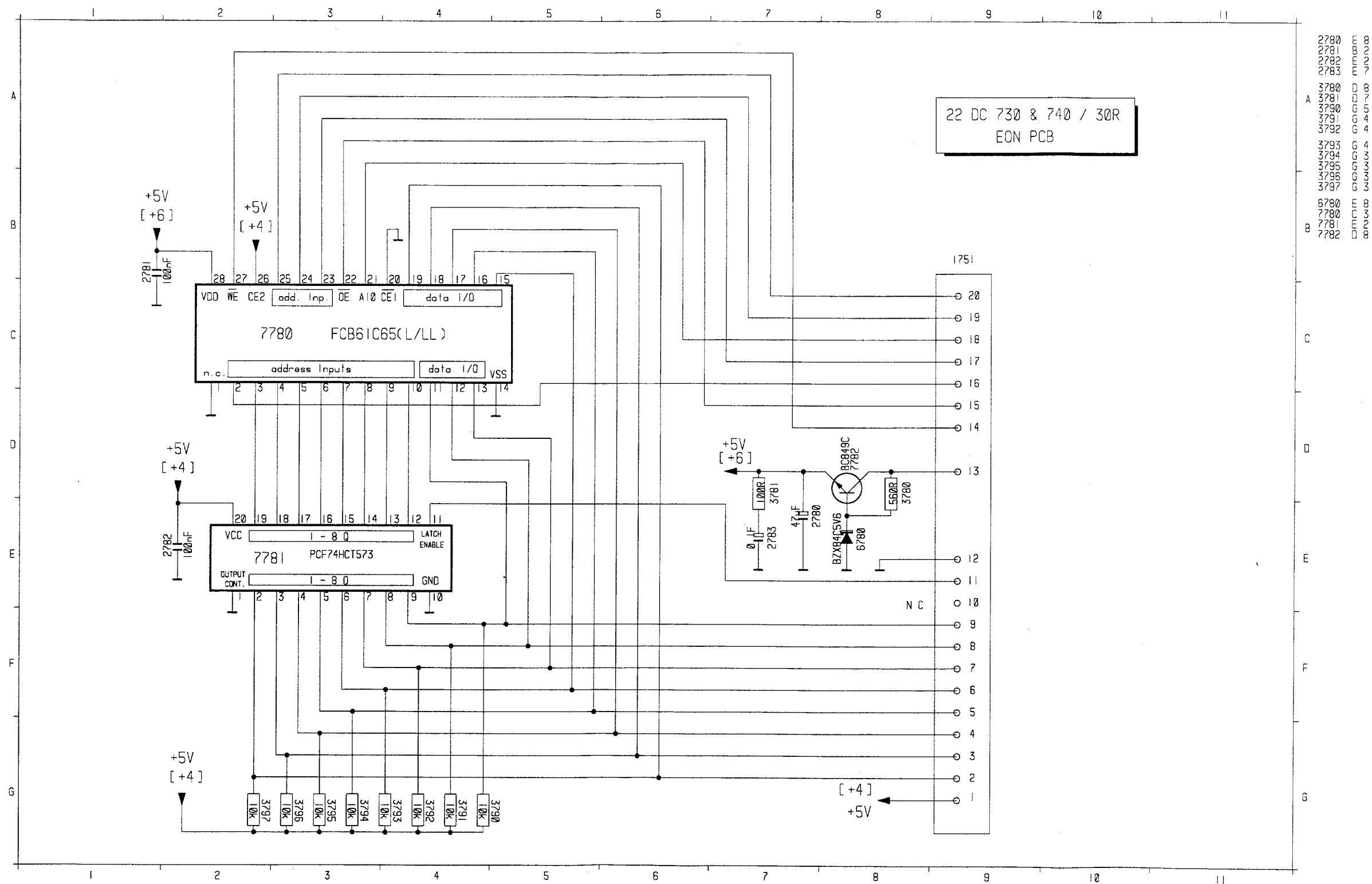
PHILIPS

E . O . N . (Enhanced information about Other Network) P.C.B.

2780 C 3 2783 D 3

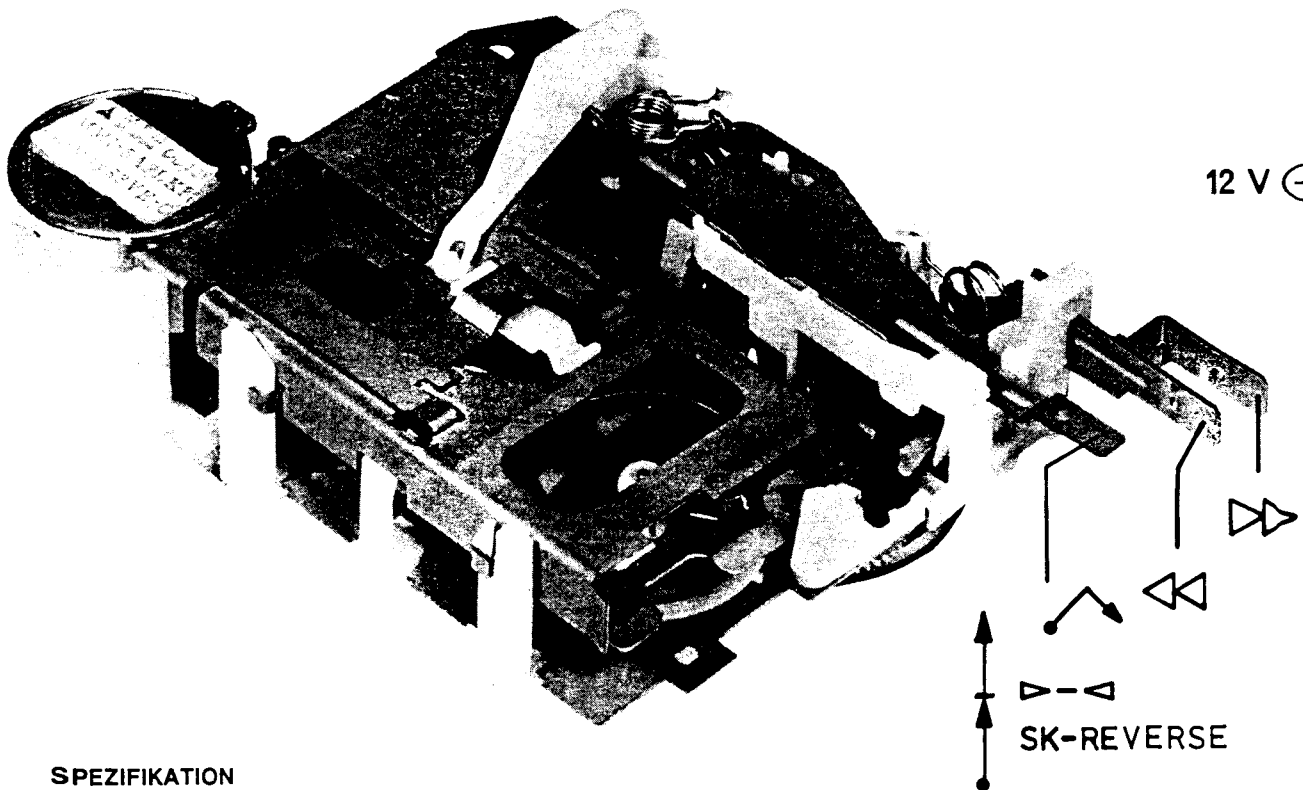


2781 C 3
2782 C 1
3780 C 3
3781 C 4
3790 C 3
3791 C 3
3792 C 2
3793 C 2
3794 C 2
3795 C 1
3796 C 1
3797 C 1
6780 C 3
7780 C 2
7781 C 3
7782 C 4



Service
Service
Service

Service Manual



SPEZIFIKATION

Bandgeschwindigkeit	: 4.76 cm/s \pm 2% (10-45°C)
Arbeitsspannung	: 8.4-15 V
Gleichlaufschwankungen	: \leq 0.3% (10-45°C)
Übersprechen	: \geq 35 dB (1 kHz)
Umspuldauer (C60)	: \leq 120 sec.
Spurenzahl	: 2 x 2

360 27 A12

LAUFWERKFUNKTION (Bilder 1...5)

In genannten Bildern sind mit Pfeilen die Bewegungen gekennzeichnet, welche die Teile bei einem bestimmten Vorgang ausführen.

In den beigelegten Tabellen ist die Bewegungsfolge festgelegt, wie sie in den Bildern gelesen werden soll. Es wurde folgende Richtlinie zugrundegelegt:

- 1 → 3 : Bewegung zweier verschiedener Teile
1 → 2 : Bewegung nur eines Bauteils, das sich mit mehreren Teilen aufbaut und das wegen der Deutlichkeit des Bildes an mehreren Stellen Zeichnerisch dargestellt ist.
- (etwa die Friktion).

Bild 1 zeigt die Ausgangsstellung
Bild 2...5 sind das Ergebnis der in Bild 1 ausgeführten Bewegungen (Cassette ist also eingelegt, das Laufwerk befindet sich in Wiedergabestellung).

INSTANDHALTUNG

Es empfiehlt sich, das Laufwerk in regelmässigen Zeitabständen zu reinigen und an den wichtigsten Stellen zu schmieren.

1. Reinigen mit Alkohol oder Spiritus

- Wiedergabeknopf
- Tonwellen
- Andruckrollen
- Seilrollen

Zum Reinigen von Kopf, Druckrolle und Tonwelle kann auch eine s.g. "drop-in"-Reinigungscassette (SBC114-4822 389 20015) benutzt werden.

2. Schmiervorschrift

- Siehe Explosionsansicht 42312E.

REPARATURHINWEISE

An einigen Stellen sind Bauteile durch Kunststoffnocken verriegelt.

Zum Ausbau dieser Bauteile müssen die Nocken verbogen, verdreht usw. werden.

Die Zahnräder 107b, 128b und die Druckrollenbügel 119 sind durch eine Einschnapverbindung an den Achsen befestigt. Mit Hilfe eines Schraubenziehers lassen sich diese Bauteile ausbauen.

Wenn Zahnrad 107b (oder 128b) ausgewechselt wird, ist auch der zugehörige Bügel 107a (oder 128a) auszuwechseln.

Auswechseln der genannten Bauteile siehe Bildern 6...10.

EINSTELLUNGEN UND KONTROLLEN

Benötigte Messgeräte

- Universal-Testcassette SBC419 - 4822 397 30069
- Universal-Testcassette SBC420 - 4822 397 30071
- Friktions-Testcassette 4822 395 30054
- Wechsellspannungs-Millivoltmeter
- Federwaage 3-55 p
- Gleichlaufanalysator

1. Azimut (Bilder 11 und 12)

- Beide Lautsprecherausgänge mit 4 Ω belasten.
- An beide Lautsprecherausgänge ein Wechsellspannungs-Millivoltmeter schalten.
- Mit Hilfe einer Testcassette SBC419 oder SBC420 das 10-kHz-Signal wiedergeben.
- Schraube A auf den Mittelwert der Höchst-Ausgangsspannungen einstellen.
- Die Differenz zwischen beiden Kanälen darf höchstens 4 dB betragen.
- Auf Stellung "reverse" umschalten.
- Falls der gemessene Wert vom bereits gemessenen Wert abweicht das Lager 118 im vorderen Schwungrad ("reverse") verdrehen.

2. Friktionen

- Friktions-Testcassette in das Gerät einlegen. Die Aufwickelfriktion muss für beide Richtungen 55-70 pcm betragen, gemessen nach einer Einlaufdauer von 2 Minuten.
- Der Gegenzug muss für beide Richtungen 4,5-7,5 pcm betragen.
- Bei einem abweichenden Wert muss die entsprechende Aufwickelfriktion oder der entsprechende Gegenzug ausgewechselt werden.
- Die Aufwickelfriktion (SVL) muss 80-130 pcm sein (bei trockenem Wetter: niedriger Wert; bei feuchtem Wetter: hoher Wert).
Einem zu hohen Wert ist abzuhelfen, dadurch dass Blattfeder 137a an den 3 Enden mit einem stumpfen Kunststoffstäbchen ein wenig zusammengedrückt wird.

3. Andruckrolle 119

- Kontrolle nach Bild 13.

Der Andruckrollendruck ist nicht einstellbar. Bei einem abweichenden Wert muss Feder 172 ausgewechselt werden.

4. Gleichlaufschwankungen/Bandgeschwindigkeit

Es muss mit dem Autoradio komplett kontrolliert werden, und zwar wie folgt.

- Gleichlaufanalysator an die Lautsprecherausgänge schalten
- Testcassette SBC419 oder SBC420 einlegen und das 3150-Hz-Signal wiedergeben.
- Der Jaulwert muss $\leq 0.3\%$ sein.
- Die Bandgeschwindigkeit muss $4.76 \text{ cm/s} \pm 2\%$ betragen.
Die Geschwindigkeit lässt sich mit Schraube B (Bild 11) einstellen.

Bei einem übermässigen Jaulwert müssen folgende Teile auf ihre richtige Arbeitsweise (Einstellung) kontrolliert werden

- Motor 132
- Andruckrolle 119
- Reibkupplungen 103
- Schwungräder 116, 137
- Seil 117
- Lager 113. Beim Auswechseln das neue Lager zuerst kurz "einlaufen" (Schwungrad ein wenig schräg einstecken und einige Umdrehungen schnell rotieren lassen.)
- Scheibe 104. Ist der Wert in der (üblichen) Wiedergabestellung zu hoch, so muss die vordere Scheibe ausgewechselt werden. Bei einem zu hohen Wert in der 'reverse'-Stellung ist die hintere Scheibe auszuwechseln.

5. Schwungrad 116,137

- Siehe Bild 14.

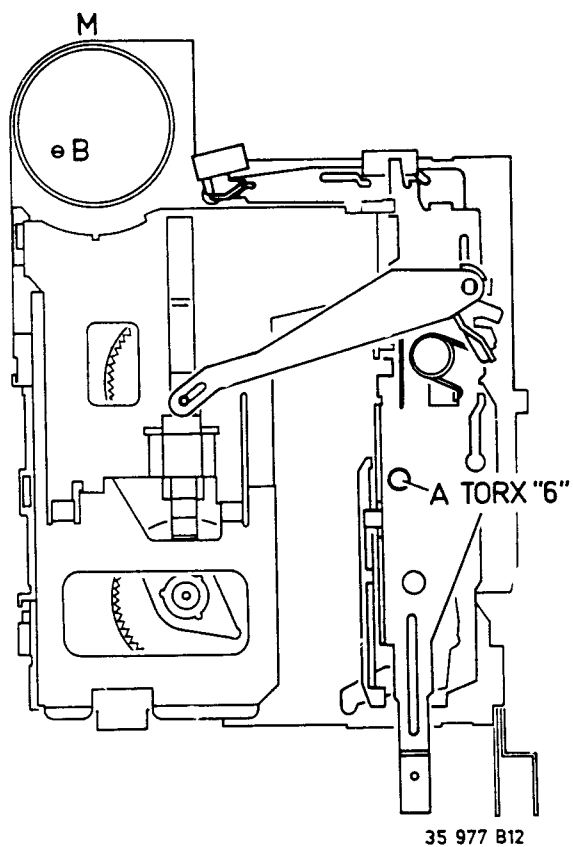


Fig. 11

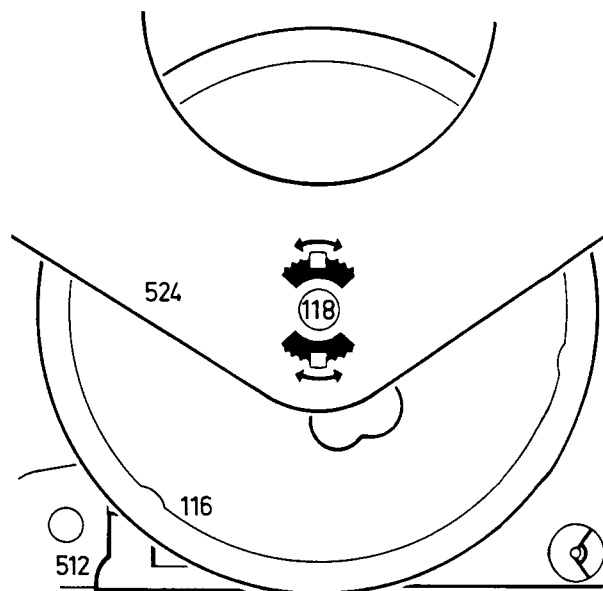


Fig. 12

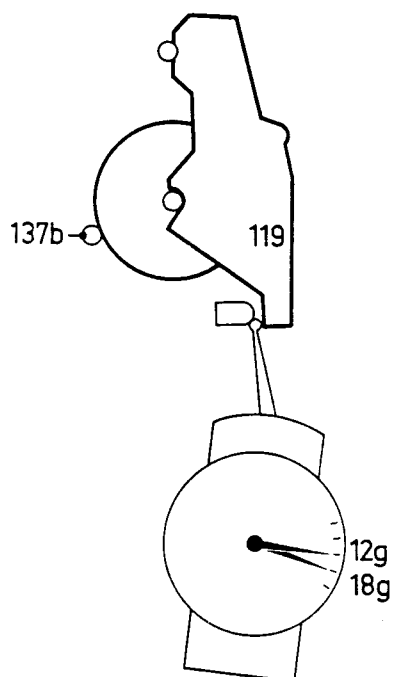


Fig. 13

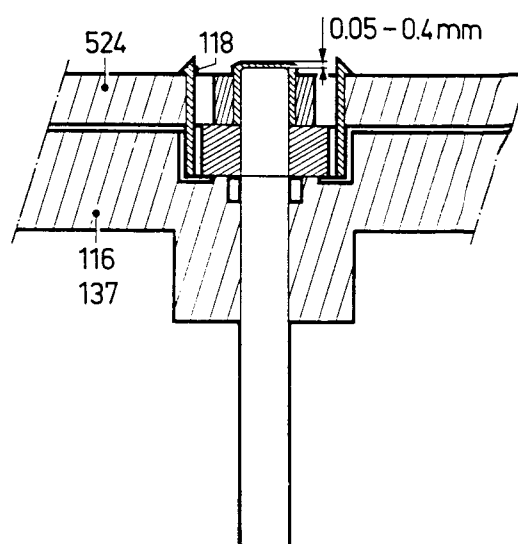


Fig. 14

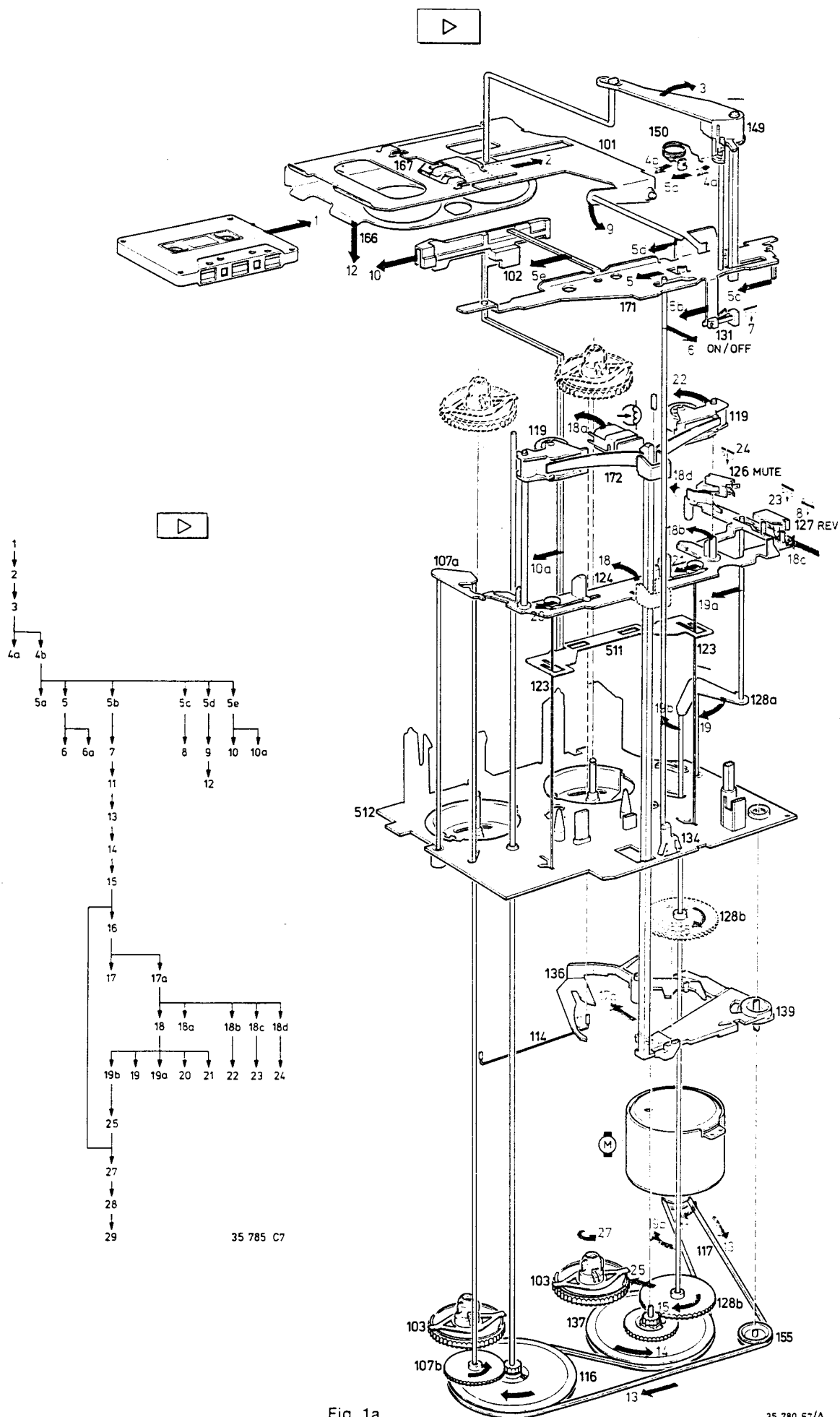
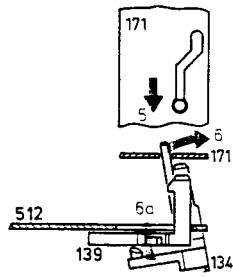


Fig. 1a

35 780 E7/A



35 768 A7/A
Fig. 1b

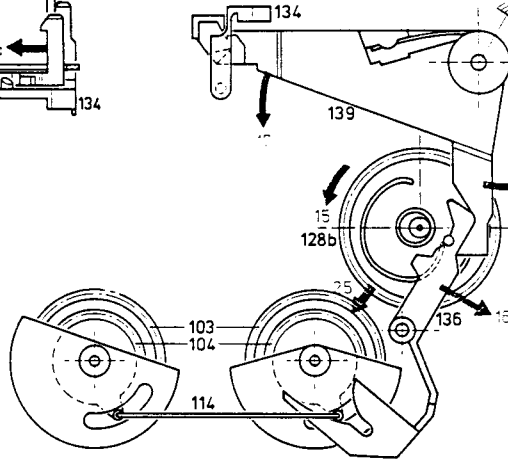
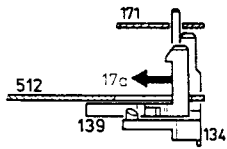


Fig. 1c

35 771 B7/A

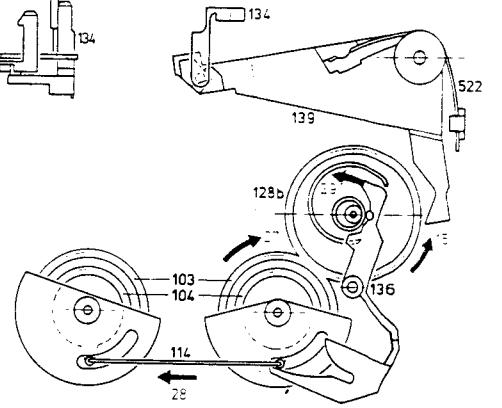
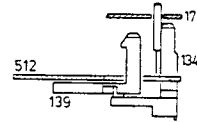
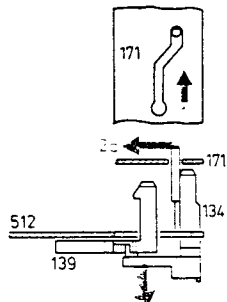


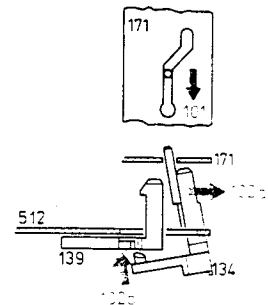
Fig. 1d

35 777 B7/A



36 026 A7/A

Fig. 2b



35 767 A7/A

Fig. 2c

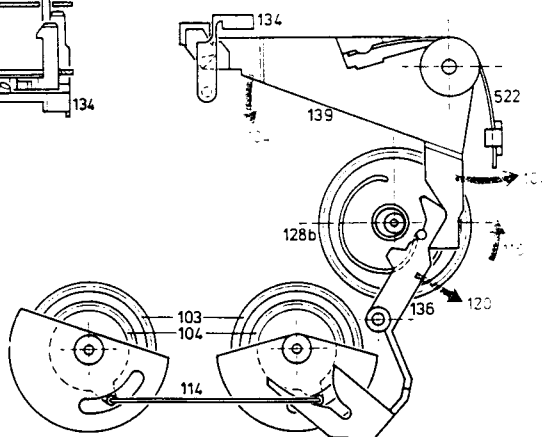
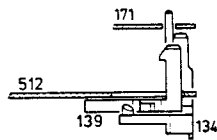


Fig. 2d

35 773 B7/A

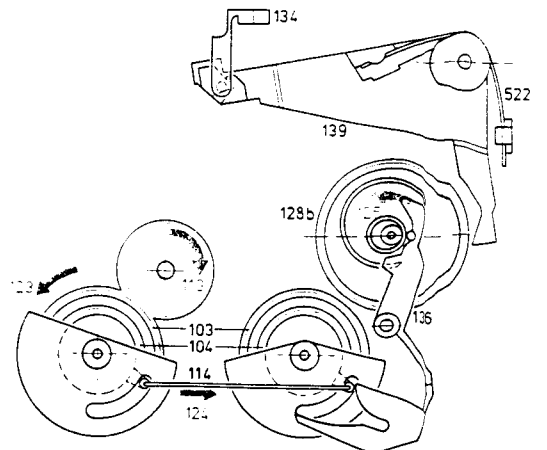


Fig. 2e

35 778 B7

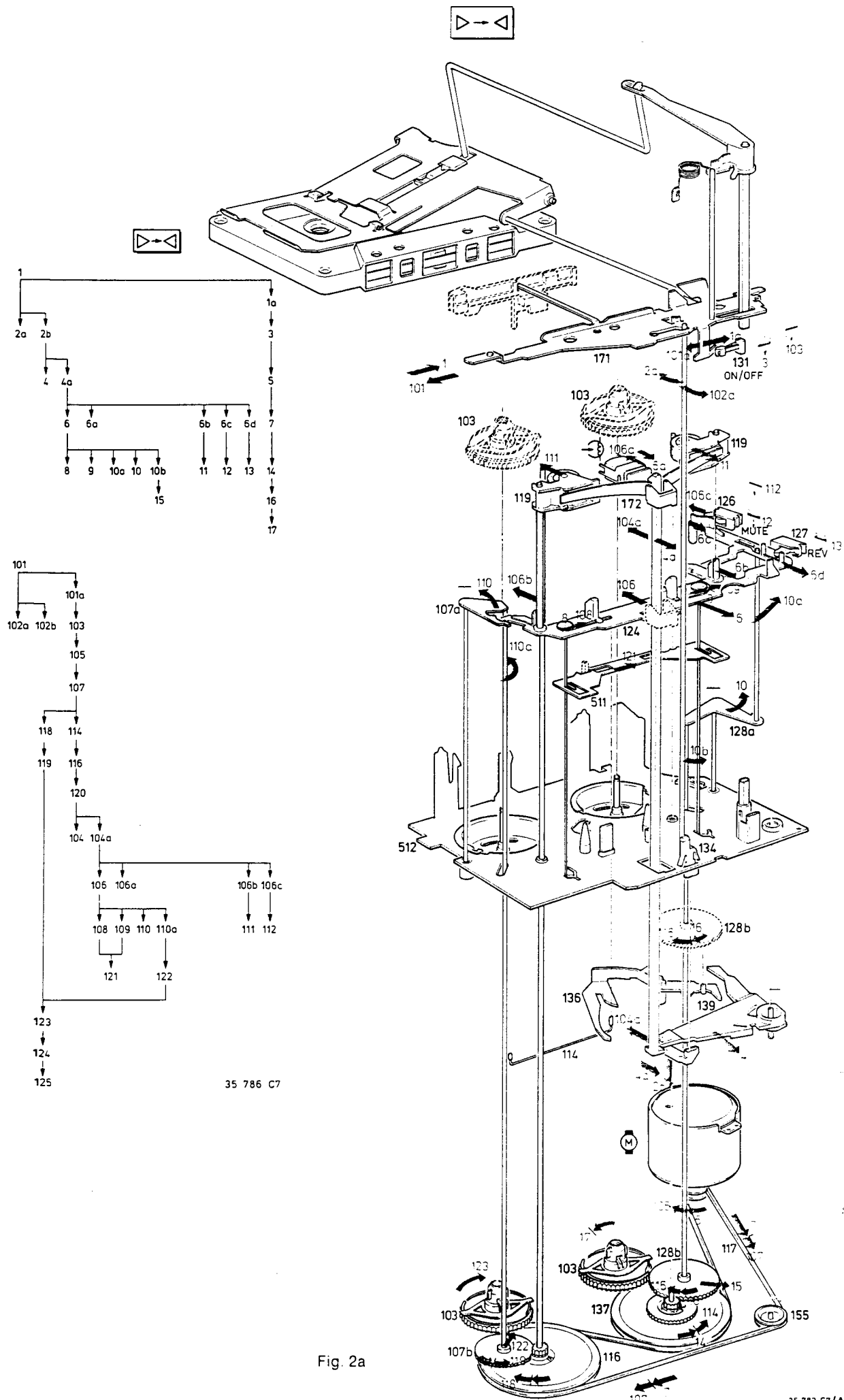


Fig. 2a

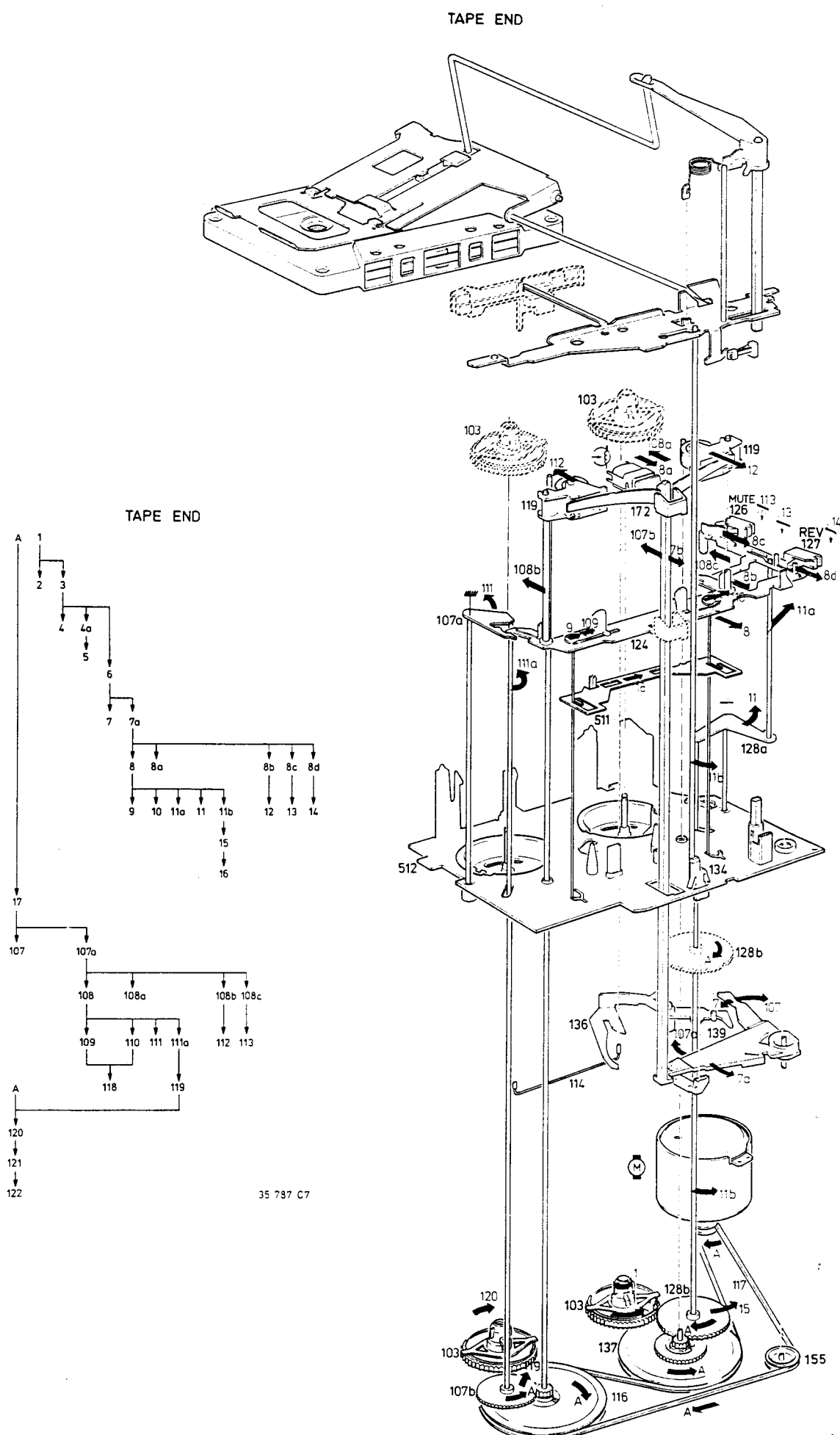


Fig. 3a

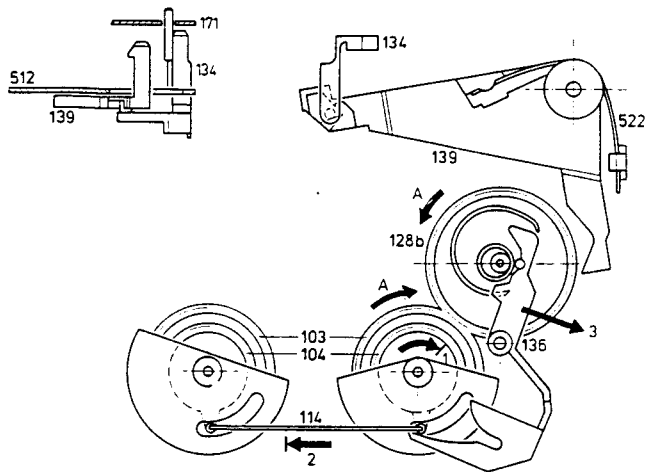


Fig. 3b

35 776 B7/A

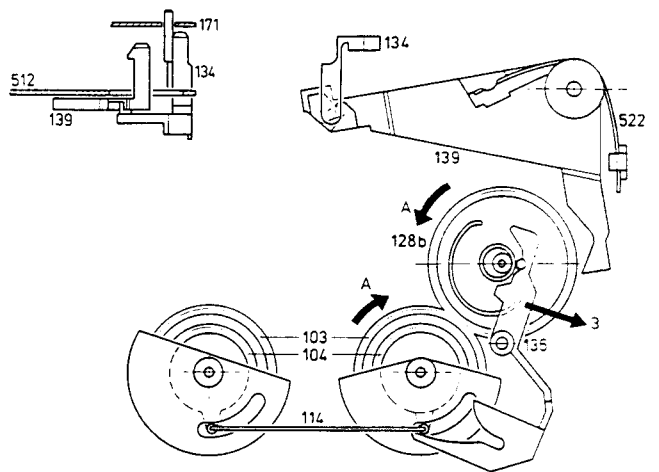


Fig. 3c

35 775 B7/A

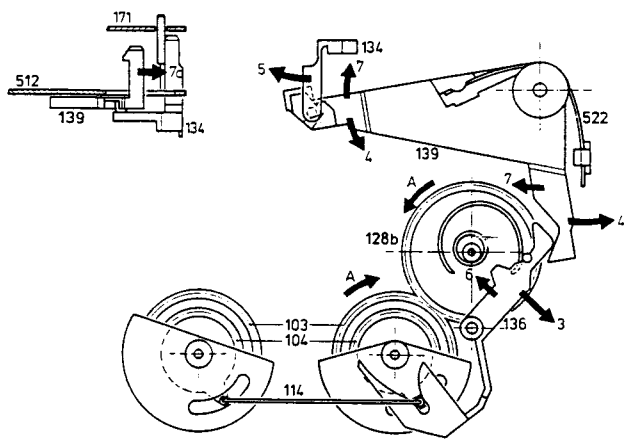


Fig. 3d

35 770 B7/A

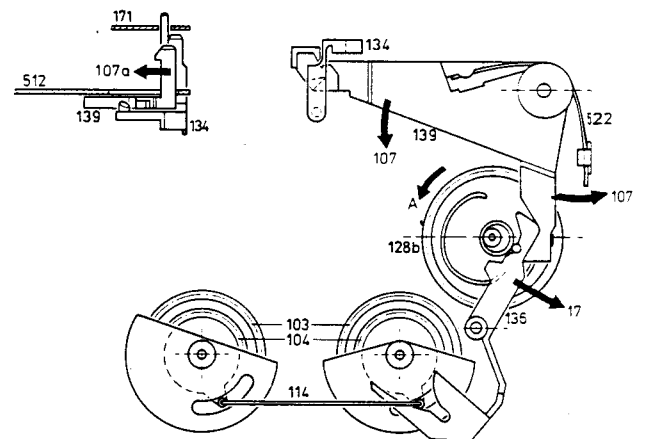


Fig. 3e

35 772 B7/A

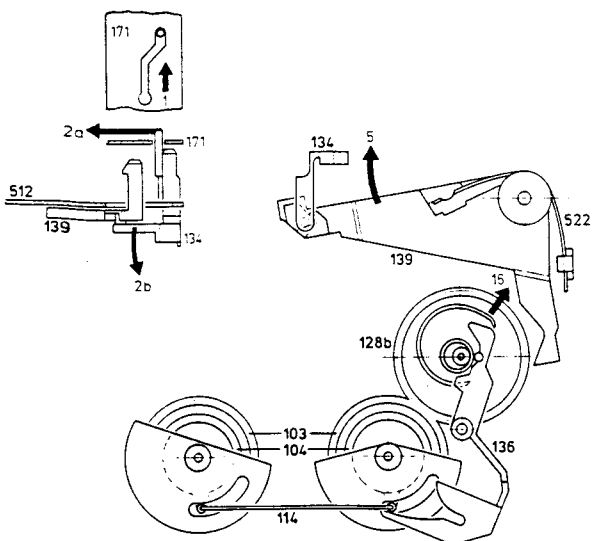


Fig. 4b

35 774 B7/B

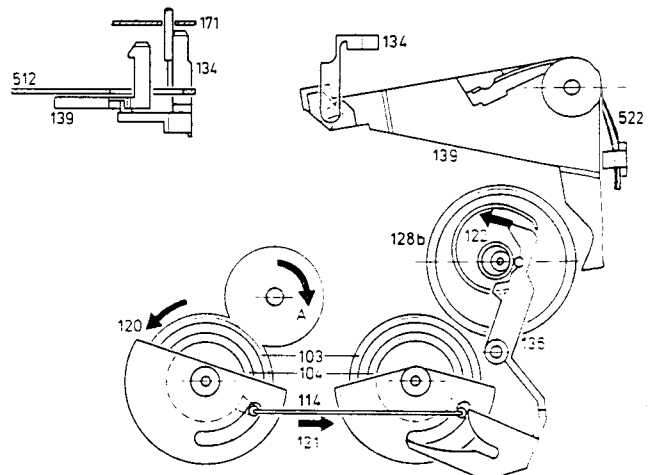


Fig. 3f

35 779 B7/A

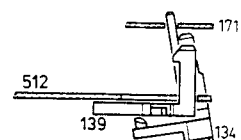
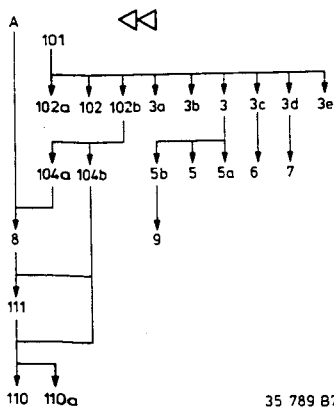


Fig. 4c

35 769 A7/A



CS 11 379

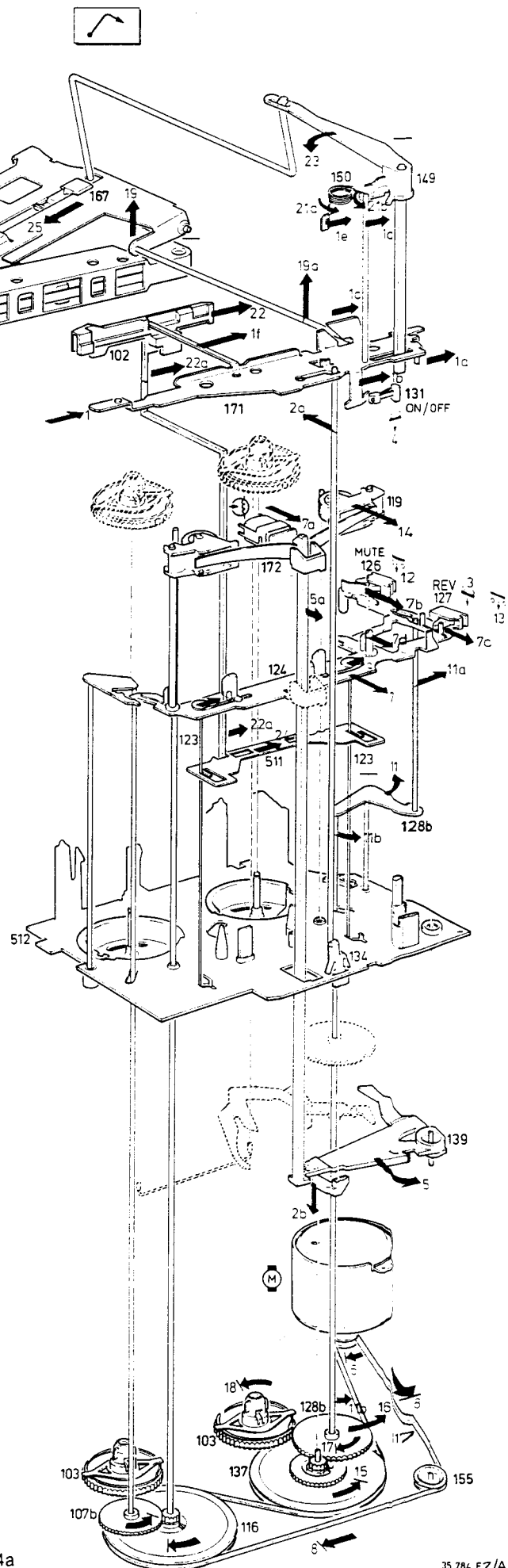
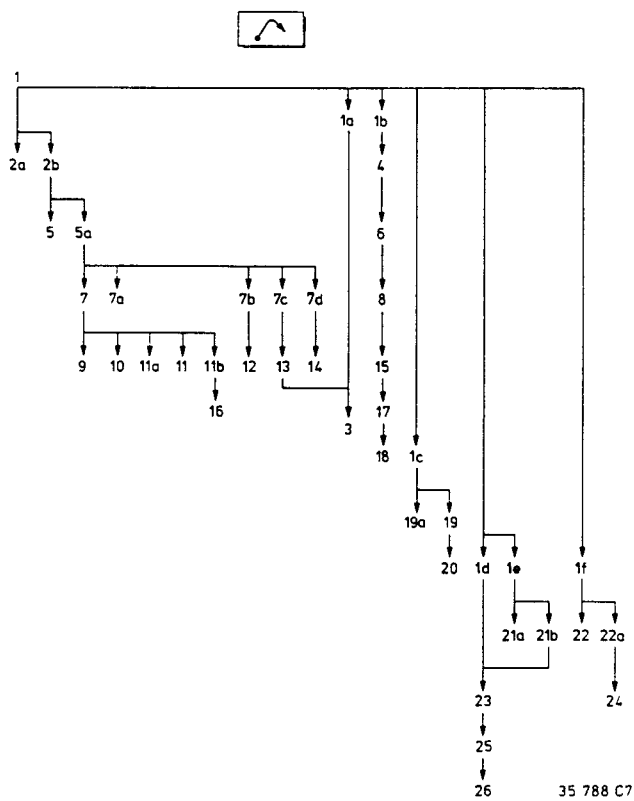
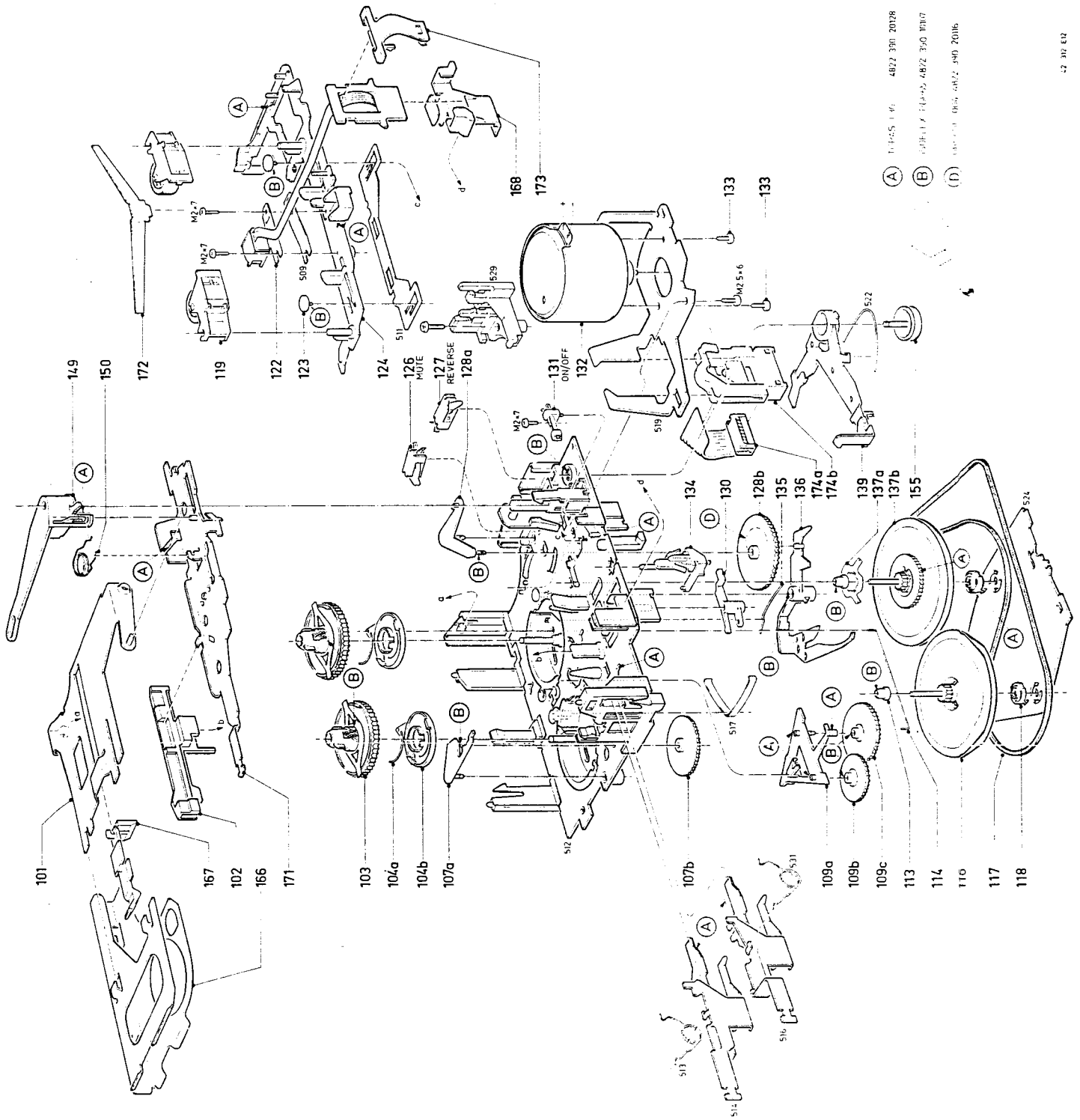
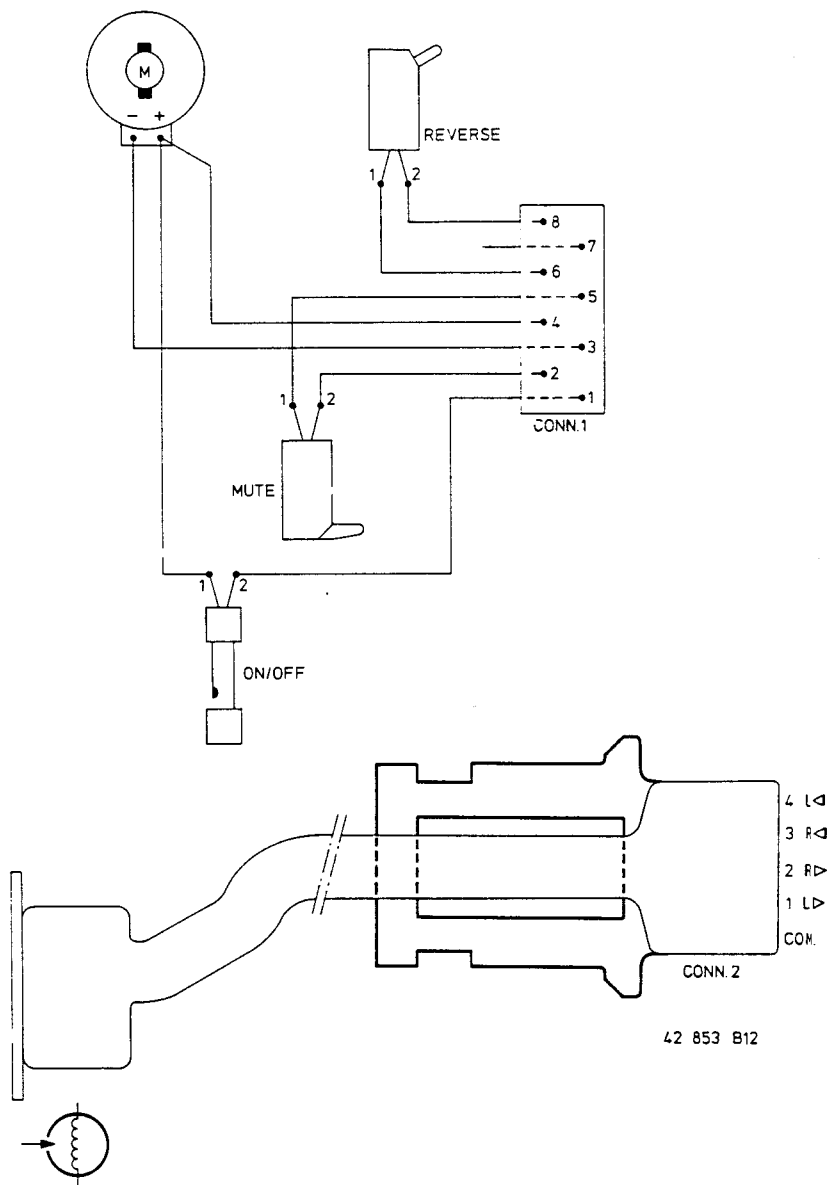
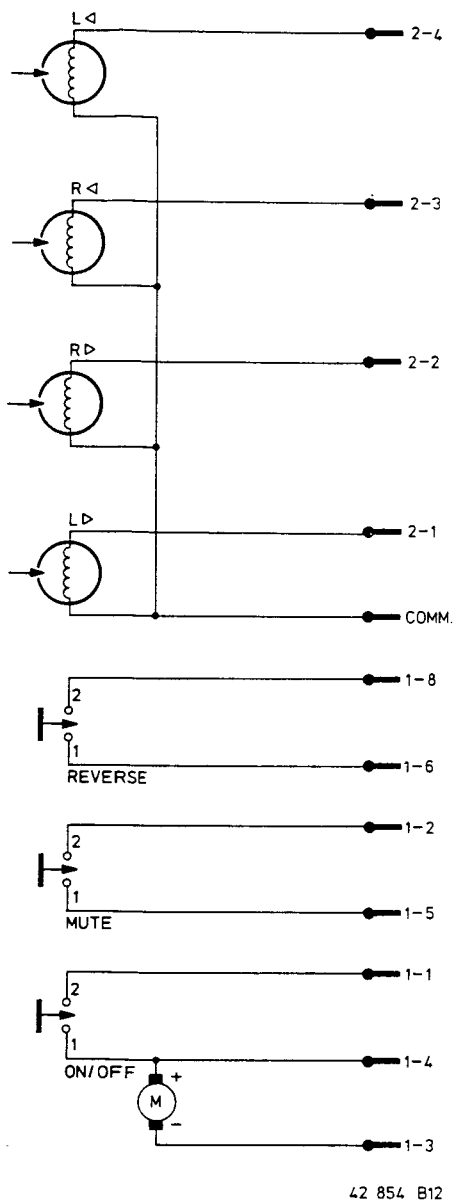


Fig. 4a

A 4822 390 20128
 B 4822 390 10107
 D 4822 390 20116
 101 4822 466 81479
 102 4822 462 30242
 103 4822 466 70526
 104 4822 466 70527
 107 4822 522 20325
 109 4822 522 20327
 113 4822 520 30406
 114 4822 492 90076
 116 4822 528 80985
 117 4822 358 30405
 118 4822 520 30407
 119 4822 403 40157
 122 4822 249 30117
 123 4822 528 80983
 124 4822 459 80209
 126 4822 277 10749
 127 4822 277 10748
 128 4822 522 20326
 130 4822 403 52509
 131 4822 276 11291
 132 4822 361 20487
 133 4822 502 12548
 134 4822 403 10225
 135 4822 492 63217
 136 4822 403 52031
 137 4822 528 80984
 139 4822 403 52029
 149 4822 404 20568
 150 4822 492 41275
 155 4822 528 81144
 166 4822 404 20593
 167 4822 404 20585
 168 4822 256 91254
 171 4822 404 20951
 172 4822 492 63216
 173 4822 404 20952
 174 4822 321 22596



4822 390 20128
 4822 390 10107
 4822 390 20116
 4822 466 81479
 4822 462 30242
 4822 466 70526
 4822 466 70527
 4822 522 20325
 4822 522 20327
 4822 520 30406
 4822 492 90076
 4822 528 80985
 4822 358 30405
 4822 520 30407
 4822 403 40157
 4822 249 30117
 4822 528 80983
 4822 459 80209
 4822 277 10749
 4822 277 10748
 4822 522 20326
 4822 403 52509
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 4822 528 81144
 4822 404 20593
 4822 404 20585
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 4822 404 20952
 4822 321 22596



BELT 117, FLY WHEELS 116, 137, COG WHEEL 107

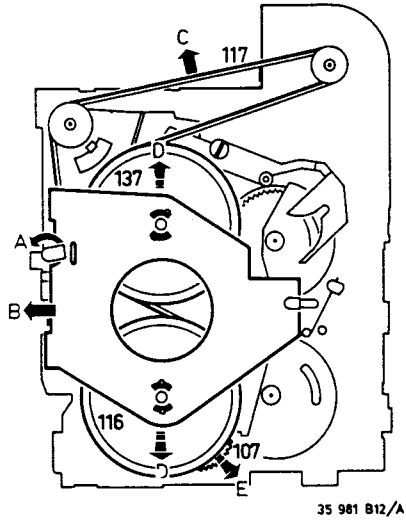


Fig. 6

PRESSURE ROLLER 119, HEAD 122

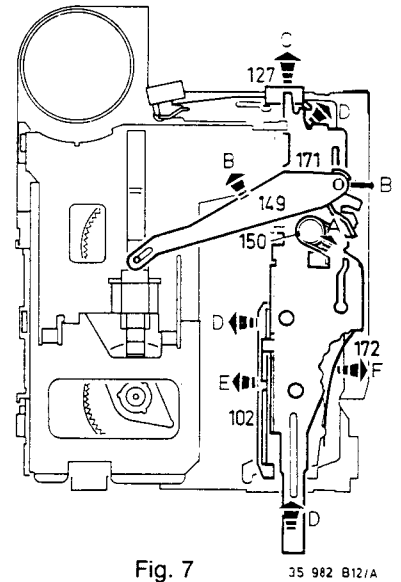


Fig. 7

HEAD BRACKET 124

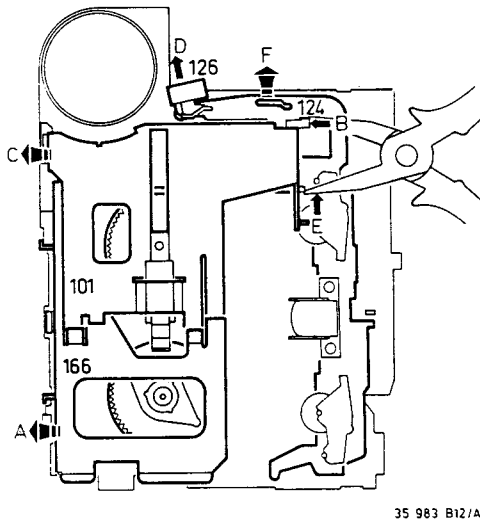


Fig. 8

CLUTCH 103

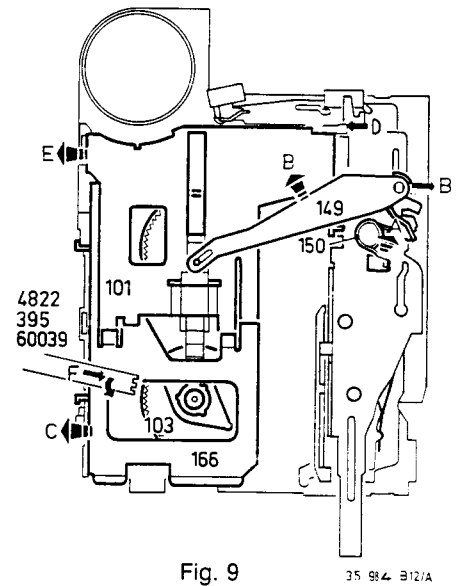


Fig. 9

COG WHEELS 109, 128

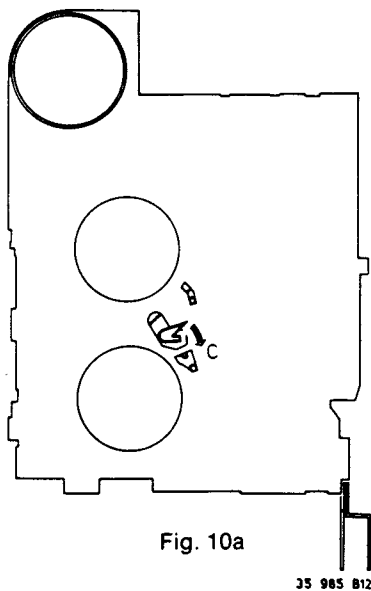


Fig. 10a

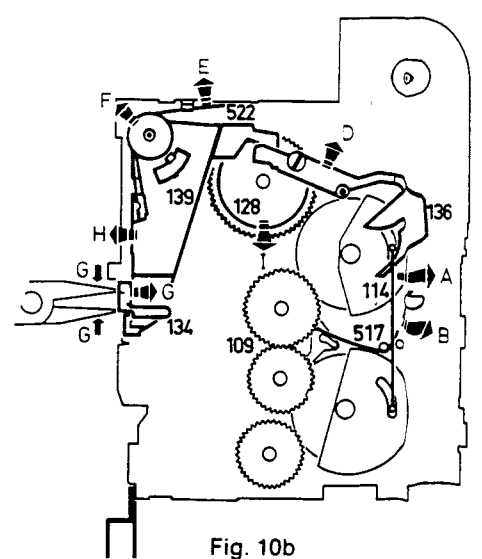


Fig. 10b

Service
Service
Service

Service Manual

For this versions, please refer to the Service Manual P6 version 16 (from week 140) with following exceptions:
the motor has been mounted at the left side, the playback head has been replaced by a Dolby version, MSS has been added (only P6-25/3).

This deviations have been incorporated in the exploded view and in the complete list of parts

Deck complete: 4822 701 12683 P6-25/2
4822 701 12684 P6-25/3

